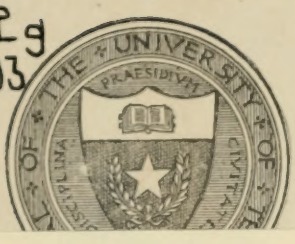
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SEVENTIETH ANNUAL REPORT

OF THE

TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

AND

McLEAN ASYLUM,

1883.

Printed at the Expense of the Bowditch History Fu[nd].

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REPORT OF THE TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

For the Year 1883.

The Committee of the Trustees appointed to prepare the annual report of the Board to the Corporation, to whom the accounts of the Treasurer and the reports of the other officials have been referred, respectfully submit the

Seventieth Annual Report.

To those who are accustomed to read each annual report of this and other similar institutions, there is little to be said that is novel in reference to their daily routine work. The tables prepared by Dr. Cowles and Dr. Whittemore, and presented herewith, will best explain and illustrate the work that is being done in the Hospital, the Asylum, and the Convalescent Home. We shall only allude to a few prominent features in their past year's history, and note some changes and improvements which have been made.

We desire to express our general satisfaction with the results, while we feel also compelled to call attention to what is still needed to make these Institutions what they should be.

The average number of patients in the Hospital during the past year was 172. In the previous year, the average number was 168.

In the Asylum, the average number of patients the past year was 164. In the previous year, the average number was 156.

The Treasurer's account shows that the excess of expense over income of the three establishments — namely, the Hospital, the Asylum, and the Convalescents' Home — has been $10,085.46, which has been charged to the General Fund; but, as the average deficiency for the past three years has been $29,860.72 annually, the result this year must be deemed highly satisfactory.

The legacies and donations received the past year have been large, and the Trustees gratefully acknowledge the receipt of the following: —

Donation, W. S. Adams, Free Bed Fund,	$2,000.00
Donation, children of Mrs. Henry Windsor, for a permanent free bed,	1,000.00
Bequest, J. W. Estabrooks, income for free beds,	1,000.00
Bequest, Nathaniel Thayer, income for free beds,	30,000.00
Bequest, Charlotte Harris, General Fund (as valued by the corporation),	132,976.80
Bequest, J. G. Kidder, General Fund,	25,000.00
Bequest, J. G. Kidder, income for Convalescent Home,	15,000.00
Bequest, M. P. Sawyer, in part, income for free beds,	20,743.20
Total,	$227,720.00

The annual subscriptions for free beds have amounted to $10,600.

During the past year, important changes have occurred in the Corporation and in the Board of Trustees as well as in the Board of Visiting Physicians. We, in common with many other charitable organizations, have to lament the death of Nathaniel Thayer, Esq., who had been Vice-President of the Corporation for

the past fourteen years. His last bequest to the Hospital for free beds has already been noted.

Early in the year, the new building for the Nurses of the Hospital was occupied. It had been named the "Thayer Building," previous to Mr. Thayer's death, in recognition of his valuable services and generous donations. At our request, a portrait of Mr. Thayer has been given to the Hospital by Mrs. Thayer, which has been hung in the Thayer Building.

We have also to lament the death of Dr. Calvin Ellis of the Board of Visiting Physicians, who had for nineteen years been a most faithful and efficient member of that body.

A valuable member of the Board of Trustees, Mr. Thornton K. Lothrop, resigned in the month of April, having been a member of the Board for five years.

Dr. Benjamin S. Shaw has recently resigned as Visiting Physician, after a connection with the Hospital, in different capacities, of twenty-five years, in reference to which the Trustees passed the following vote: "That the Secretary be requested to express to Dr. Shaw the high appreciation in which his long services have been held by the Trustees, and their regret that his connection with the Institution must be terminated."

We regret to announce also that Mr. David R. Whitney, who has been the efficient Treasurer of the Corporation for the past three years (except during a temporary absence in Europe), has resigned. During Mr. Whitney's absence, Mr. Edmund Dwight kindly consented to take the office of Treasurer.

During the year, the "George H. Gay Ward" for the Out-Patient Department has been erected. This building for the relief of suffering humanity was the gift of a benevolent gentleman, whose name is withheld at his own request, in memory of his deceased

friend, Dr. Gay. It is justly regarded as being a model building for the purposes for which it is designed.

The Dental Department has been removed to the building formerly occupied by the Harvard Medical School, where it will find much more capacious and desirable quarters than it was possible to provide in the Hospital Buildings; but its connection with the Hospital remains the same as before.

During the past year, we have sold to the city of Boston, for the sum of $62,000, the Dock, Wharf, and Flats on Charles Street for the purposes of a Public Park.

We desire to call attention to the fact that our Convalescent Home at Belmont is designed not only for Convalescents from our own, but also from other hospitals, private families, boarding-houses, etc. We desire to have it availed of to its fullest capacity.

It is now ten years since the Training School for Nurses was organized, and it seems proper that the Trustees should express to the officers of the school, more fully than has heretofore been done, their high appreciation of the services rendered the Hospital.

The Hospital has, from the beginning, had the advantage of many excellent and skilful nurses; but, since the nursing has been wholly in the charge of the Training School, there is no doubt that the average quality of the service has been higher than ever before.

This Institution began in 1873 with six pupils, who were allowed to take charge of two wards as an experiment. It increased steadily till 1877, when the nursing of the whole Hospital was placed in its charge. At the present time, the Training School consists of forty-two pupils, twelve head nurses, a night Superintendent, and the Superintendent of the whole school,—all these being under the supervision of a Board of

Directors, several of whom are physicians connected with the Hospital.

The general management of the health, discipline, and education of the nurses rests with this Board, though the school is in fact a part of the active staff of the Hospital, and acts under the direction of the Resident Physician. As a result of this organization, the character of the nursing in the Hospital has materially improved; and the public has benefited by the yearly graduation of fifteen or twenty well-trained nurses.

A somewhat similar system of training female nurses for their work has been introduced at the Asylum, and we look for like beneficial results there.

We desire to express to the Ladies' Visiting Committee of the Hospital the thanks of the Trustees for their constant and careful attention.

We have in several former reports called attention to the favorable results to both children and adults arising from their being occupants of the same wards in the Hospital, and we hope in future, even more than in the past, that sick children will be sent to the Hospital to be cared for in connection with adults.

We note with satisfaction that about one-third of the patients admitted to the Asylum the past year have been voluntary, and that beneficial results to the patients have followed the adoption of the plan of allowing them to make short visits to their homes and families.

We tried the experiment the past year of a cottage on the sea-shore at Lynn for some of the patients from the McLean Asylum during the summer months, and the results were so satisfactory that it will be repeated the coming summer on a somewhat larger scale.

We note also that the employment of female nurses

in the men's wards of the Asylum works satisfactorily and with beneficial results to the patients.

In our last report, we said: "Your Trustees cannot express too strongly the hope that they will soon be able to move the Asylum from Somerville to Belmont. This they consider their most pressing need, and it is to be hoped that this object will be especially borne in mind by the generous public." Another year's consideration and experience have confirmed this opinion. We have secured a large estate at Belmont admirably adapted by nature and by its surroundings for the purposes of an Asylum, and it is of the utmost importance that we should shortly commence to erect the necessary buildings; but, up to the present time, we have not had sufficient encouragement to induce us to attempt to raise the large sum of money which would be needed for the purpose.

THOMAS E. PROCTOR,
EDMUND DWIGHT, } *Committee.*

REPORT OF THE TREASURER

OF THE

MASSACHUSETTS GENERAL HOSPITAL.

To the Board of Trustees:

Gentlemen,— In accordance with the Fifth Article of the By-Laws the report of the accounts of the Massachusetts General Hospital, made up to the last day of December, 1883, is respectfully submitted, to be laid before the Corporation at its annual meeting.

Dr. D. R. WHITNEY, *Treasurer, in account with the* MASSACHUSETTS GENERAL HOSPITAL. *Cr.*

Jan. 1, 1883.			
To Balance Cash on hand,	$8,847.50	By Cash paid J. H. Whittemore, Resident Physician, balance in account,	$2,980.70
" Railroad Bonds sold,	105,000.00	" " " Edw. Cowles, Superintendent, balance in account,	4,918.84
" Real Estate sold,	71,000.00	" " " Insurance,	4,738.49
" City of Boston Bonds collected,	2,000.00	" " " Annuitants,	1,406.00
" Union League Club Bonds called,	3,000.00	" " " Annual Report, 1882,	247.76
" Notes Receivable,	43,900.00	" " " Improvements at Belmont,	7,871.40
" Donations,	3,000.00	" " " Thayer Building,	9,031.19
" Legacies,	98,679.40	" " " Gay Building,	15,800.23
" One-third profits Mass. Hospital Life Ins. Co.,	5,000.00	" " " Expenses Hospital,	109,054.98
" Income from investments,	92,609.14	" " " Expenses Asylum,	137,801.56
" Board of paying patients at Asylum,	134,334.50	" " " Expenses Convalescent Home,	6,204.15
" Board of paying patients at Hospital,	20,150.07	" " " Investments,	226,400.00
" Board of paying patients at Convalescent Home,	344.00	" " " Library,	241.77
" Subscribers for Free Beds ($3,050 additional received for this purpose in 1882),	7,550.00	" " " Wooden Legs,	130.00
" Subscribers for Free Beds for 1884 in advance,	900.00	" " " Premiums,	11,460.24
		" " " Taxes at Waltham,	152.32
		" " " Taxes and betterments on land in Chicago,	498.13
		" " " C. C. Darling, balance in account,	33.70
		" Balance Cash on hand,	57,343.15
	$596,314.61		$596,314.61

MASSACHUSETTS GENERAL HOSPITAL, BOSTON, Dec. 31, 1883.

E. & O. Ex. D. R. WHITNEY, *Treasurer.*

The expense of carrying on the business of the Corporation for the year 1883 has been $257,279.18, namely: —

On account of Hospital Department,	$111,363.64
" " " McLean Asylum,	139,711.39
" " " Convalescent Home,	6,204.15
	$257,279.18

This expense has been met from: —

Amount charged to patients,	$154,828.57
Income from various funds applicable,	92,365.15
Deficit drawn from the General Fund,	10,085.46
	$257,279.18

The receipts at the McLean Asylum have exceeded the expenses by $4,341.18, which amount has been credited to the General Fund; while the expenses at the Hospital have exceeded the receipts by $13,296.47, and at the Convalescent Home by $1,130.17, which amounts have been charged to the General Fund, making the net balance drawn from the General Fund $10,085.46, as above.

TABLE No. 1.

EXPENSES AND RECEIPTS OF THE HOSPITAL DEPARTMENT.

Disbursements for the year 1883: —

Expenses at Hospital (see Table 4),	$109,054.98
Insurance,	2,308.66
	$111,363.64

Receipts.

Income from Redman Fund (see Table 7),	$26,169.01
" " Free Bed Funds (see Table 7),	30,757.50
" " Funds with income unrestricted (see Table 7),	2,300.00
" " General Fund (see Table 7),	8,090.59
Free Bed Subscriptions (see Table 8),	10,600.00
Amount charged to patients,	20,150.07
Deficit from General Fund,	13,296.47
	$111,363.64

TABLE No. 2.

EXPENSES AND RECEIPTS AT THE McLEAN ASYLUM.

Disbursements for year 1883: —

Expenses at Asylum (see Table 5),	$137,801.56
Insurance,	1,909.83
	$139,711.39

Receipts.

Income from Fund for Beneficiaries (see Table 7),	$4,255 57
Income from Fund for Female Beneficiaries (see Table 7),	4,887.50
Income from Amusement Fund (see Table 7),	575.00
Amount charged to Patients,	134,334.50
	$144,052.57
Balance of Receipts over Expenses,	
Credited to General Fund,	$4,341.18

TABLE No. 3.

EXPENSES AND RECEIPTS AT CONVALESCENT HOME.

Disbursements for year 1883: —

Expenses at Convalescent Home (see Table 6),	$6,204.15

Receipts.

Income from Convalescent Home Fund,	$4,729.98
Amount charged to patients,	344.00
Deficit from General Fund,	1,130.17
	$6,204.15

TABLE No. 4.

EXPENSES OF THE HOSPITAL DEPARTMENT.

For Stores,	$39,426.20
Gas and Oil,	2,074.17
Water,	1,805.30
Wages,	26,283.50
Medicine,	2,725.21
Furniture,	9,507.92
Surgical Instruments,	1,211.98
Stationery,	714.23
Wines and Liquors,	2,698.65
Salaries,	5,274.00
One-half General Expenses,	1,084.86
Fuel,	9,514.51
Contingencies,	845.51
Repairs,	5,888.94
	$109,054.98

These expenditures have been for account of: —

1,492 Free Patients for 7,176 weeks,	$90,665.70	
528 Paying Patients for 1,456 weeks.	18,389.28	
	$109,054.98	
The average number of patients was, in 1882,	168	
The average number of patients has been, in 1883,	166	
The average cost per week was, in 1882, 8,736 weeks,	$12.43	
The average cost per week has been, in 1883, 8,632 weeks,	12.63	
The total expenses were, in 1882,	108,590.43	
The total expenses have been, in 1883,	109,054.98	
The amount paid for account of free patients has been,		$90,665.70
The amount received for them has been: —		
From Income Free Bed Funds,	30 757.50	
From 88 Subscribers for this object (see Table 8),	10,600.00	
		41,357.50
		$49,308.20

The deficiency has been drawn in part from the income of the various funds applicable to the purpose, and the remainder from the General Fund.

TABLE No. 5.

EXPENSES OF THE ASYLUM DEPARTMENT.

For Stores,	$44,150.51	
Laundry,	8,510.48	
Fuel,	6,569.89	
Stationery,	468.50	
Medicines and Liquors.	2,529.82	
Contingencies,	1,570.98	
Furniture,	8,788.03	
Repairs,	13,347.32	
Diversions.	1,086.59	
Water and Ice,	2,765.91	
Lights,	3,379.25	
Wages,	29,779.87	
Salaries,	6,873.53	
One-half General Expenses,	1,084.87	
Library,	400.00	
Stables,	3,689.99	
Garden,	2,726.65	
Lynn Cottage,	1,525.77	
		$139,247.96
Less Cr. Clothing, $383.79, and Farm, $1,062.61,		1,446.40
		$137,801.56

These expenditures have been for account of:—

Patients paying cost and more,		$39,994.42
" " less than cost,		97,807.14
		$137,801.56
The average number of patients was, in 1882,	156	
The average number of patients has been, in 1883,	164	
The average cost per week was, in 1882,	$17.02	
The average cost per week has been, in 1883,	16.16	
The total expenses were, in 1882,		138,518.36
The total expenses have been, in 1883,		137,801.56
The amount expended at the Asylum for patients who have paid less than cost has been,		97.807.14
The amount received has been:—		
From patients, 6,033 1-7 weeks' board, at less than cost,	$56,546.92	
From Income of Funds for Beneficiaries,	4,255.57	
Income of Funds for Female Beneficiaries,	4,887.50	
Income of Amusement Fund,	575.00	
		66.264.99
		$31,542.15

The deficiency has been drawn in part from patients paying more than cost, and the remainder from Funds applicable to the purpose.

TABLE No. 6.

EXPENSES OF THE CONVALESCENT HOME.

For Stores,		$2,982.22
Gas and Oil,		38.22
Medicine,		15.93
Furniture,		159.40
Wages,		1,871.30
Fuel,		610.84
Stationery,		16.70
Ice,		100.93
Wines, Spirits, and Malt Liquors,		13.39
Repairs,		143.26
Contingencies,		251.96
		$6,204.15
Whole number of patients admitted during the year, males,	92	
Whole number of patients admitted during the year, females,	93	
		185
Whole number discharged during same time,		195
Remaining, Jan. 1, 1884, males,	3	
" " " females,	4	

TABLE No. 7.

INCOME FROM INVESTMENTS.

The Income from Investments has been:—

From Annuities Receivable,	$6,400.00
City of Boston Bonds,	1,175.00
Mass. Hospital Life Ins. Co. Stock,	4,000.00
Railroad Bonds,	32,269.67
Manufacturing Stocks,	3,309.00
Bank Stocks,	4,729.70
Real Estate, Productive,	23,090.93
Notes Receivable,	15,772.10
Union League Club Bonds,	600.00
Interest,	1,121.29
Delaware Mutual Ins. Co.'s Scrip Interest,	27.00
Railroad Stocks,	114.45
	$92,609.14

Which has been distributed as follows:—

To G. H. Gay Fund,		$862.50
Redman Fund,		26,169.01
Warren Prize Fund,		172.50
Bowditch History Fund,		115.00
Wooden Leg Fund,		287.50
Redman Annuities,		936.00
Clara Barton Annuity,		186.35
Surgical Instrument Fund,		77.67
Amusement Fund,		575.00
Free Bed Funds, for use,	$30,757.50	
Free Bed Funds, for Joy Annuities,	700.00	31,457.50
Beneficiaries at Asylum Funds,		4,255.57
Warren Library Fund,		57.50
Treadwell Library Fund,		287.50
One-half Lincoln Fund,— Female Beneficiaries,		4,887.50
Funds with Income Unrestricted,		2,300.00
General Fund,		8,090.59
Convalescent Home Fund,		4,729.98
Asylum Building Fund,		7,161.47
		$92,609.14

The Income for 1881 was	$94,199.47
The Income for 1882 was	82,698.22
The Income for 1883 has been	92,609.14

TABLE No. 8.

SUBSCRIBERS FOR FREE BEDS.

Hoosac Tunnel Dock and Elevator Co.,	$100
F. L. Higginson,	100
H. S. Shaw,	100
M. Brimmer,	300
F. R. Sears,	100
Mrs. Susan O. Brooks,	100
J. R. Coolidge,	100
Mrs. L. M. Case,	100
J. P. Bradlee,	100
Chas. P. Curtis,	100
Sidney Bartlett,	100
Theodore Lyman,	100
William Amory,	100
Fitchburg Railroad Co.,	100
J. L. Bremer,	100
Miss Anne Wigglesworth,	200
Union Railway Co.,	100
Boston & Providence R.R. Co.,	
George Higginson,	100
T. Jefferson Coolidge,	100
H. P. Kidder,	100
F. H. Peabody,	200
Boston & Maine R.R. Co.,	100
S. D. Warren,	100
Shepherd Brooks,	100
Miss C. A. Brewer,	100
W. W. Tucker,	100
Mrs. J. G. Cushing,	100
Mrs. Anna C. Lodge,	100
S. R. Payson,	100
J. B. Glover,	100
P. C. Brooks,	100
J. L. Gardner, Jr.,	100
Mrs. Peter C. Brooks,	100
Miss Eunice Hooper,	600
Mass. Humane Society,	200
Mrs. E. B. Bowditch,	100
Samuel Johnson,	100
William Endicott, Jr.,	100
Mrs. Charlotte A. Johnson,	100
George A. Gardner,	100
Miss A. W. Davis,	100
Geo. W. Wales,	100
Dr. C. E. Ware,	100
George Dexter,	300
Amount carried up,	$5,700

Amount brought up,	$5,700
John Foster,	100
Mrs. Jas. McGregor,	100
Webster & Co.,	100
Eastern Railroad Co.,	100
W. O. Grover,	100
Henry B. Rogers,	100
Samuel Eliot,	100
C. J. Morrill,	100
Geo. D. Howe,	100
W. D. Pickman,	100
Jos. S. Fay,	100
Mrs. G. H. Shaw,	100
A. A. Lawrence,	100
R. C. Winthrop, Jr.,	100
A L. Rotch,	100
Charles Merriam,	100
C. H. Dalton,	100
Ida M. Mason,	500
Nathaniel Thayer,	100
Henry Saltonstall,	100
H. H. Fay,	100
Otis E. Weld,	100
F. Gordon Dexter,	100
W. Powell Mason,	100
Greely S. Curtis,	100
R. C. Greenleaf,	100
Henry Woods,	100
J. F. Anderson,	200
Sarah S. Fay,	100
R. W. Hooper,	100
J. H. Wolcott,	100
Mrs. Ozias Goodwin,	100
Miss Eliza Goodwin,	100
Mrs. Caroline Merriam,	100
Miss Madeline C. Mixter, / Miss Helen K. Mixter,	100
J. M. Sears,	100
J. T. Coolidge, Jr.,	200
Pacific Mills Board of Relief,	100
J. P. Squire & Co.,	100
J. L. Little,	100
Mrs. James Lawrence,	100
Boston Gaslight Co.,	100
C. W. Amory,	$10,600

Total Free Bed Subscriptions (80) in 1882,	$10,215.00
Total Free Bed Subscriptions (88) in 1883,	10,600.00

TABLE No. 9.

LIBRARY ACCOUNT.

Paid for Books,	$241.77
Income Treadwell Library Fund,	287.50
The surplus is credited to the Fund,	$45.73

TABLE No. 10.

WOODEN LEG ACCOUNT.

The amount received for this purpose has been Income of the Wooden Leg Fund,	$287.50
The amount expended for Artificial Limbs has been,	130.00
The surplus is credited to the fund,	$157.50

TABLE No. 11.

THE BOWDITCH HISTORY FUND.

Balance, December 31, 1882: —		
Principal,	$2,000.00	
Income,	1,786.31	
		$3,786.31
Amount of Income received,	$115.00	
Amount of Income expended,	247.76	
		132.76
		$3,653.55
Balance, December 31, 1883: —		
Principal,	$2,000.00	
Income,	1,653.55	
		$3,653.55

TABLE No. 12.

GENERAL FUND.

Balance, December 31, 1882,	$978,397.20	
Add one-third profits Mass. Hospital Life Ins. Co.,	5,000.00	
Add donations and legacies,	157,976.80	
		$1,141,374.00
Less balance of premiums paid for Railroad Bonds, Bank Stocks, and Railroad Stocks,	$11,460.24	
Balance of Expenses over Income,	10,085.46	
		21,545.70
Balance, December 31, 1883,		$1,119,828.30

TABLE No. 13.

RESTRICTED FUNDS.

Income devoted to Free Beds: —

The Joy Fund, being a bequest from Miss Nabby Joy,	$20,000.00
Belknap Fund, being a bequest from Jeremiah Belknap,	10,000.00
Wm. Phillips Fund, being a bequest from Wm. Phillips,	5,000.00
Williams Fund, being a bequest from John D. Williams, of estate No. 17 Blackstone Street,	19,600.00
Bromfield Fund, being half of a bequest from John Bromfield,	20,000.00
Miss Townsend Fund, being a donation from the Executors of the will of Miss Mary P. Townsend,	11,486.50
Brimmer Fund, being a bequest from Miss Mary Ann Brimmer,	5,000.00
Wilder Fund, being a bequest from Charles W. Wilder,	12,000.00
Sever Fund, being a bequest from Miss Martha Sever,	500.00
Thompson Fund, being a bequest from S. B. Thompson,	500.00
Tucker Fund, being a bequest from Miss Margaret Tucker,	3,312.37
Davis Fund, being a bequest from Mrs. Eleanor Davis,	900.00
Loring Fund, being a bequest from Abigail Loring,	5,000 00
Nichols Fund, being a bequest from B. R. Nichols,	6,000.00
Gray Fund, being a donation from John C. Gray,	1,000.00
Dowse Fund, being a bequest from Thomas Dowse,	5,000.00
Todd Fund, being a bequest from Henry Todd,	5,000.00
J. Phillips Fund, being a bequest from Jonathan Phillips,	10,000.00
Greene Fund, being a bequest from Benj. D. Greene,	5,000.00
Percival Fund, being a bequest from John Percival,	950.00
Amount carried forward,	$146,248.87

Amount brought forward, ...	$146,248.87
Pickens Fund, being a bequest from John Pickens, ...	1,676.75
Treadwell Fund, being part of a bequest from J. G. Treadwell, ...	38,703.91
Raymond Fund, being a bequest from E. A. Raymond, ...	2,820.00
Harris Fund, being part of a bequest from Charles Harris, ...	1,000.00
Mason Fund, being a bequest from Wm. P. Mason, ...	9,400.00
Sawyer Fund, being part of a bequest from M. P. Sawyer, ...	7,000.00
J. L. Gardner Fund, being a donation from J. L. Gardner, ...	20,000.00
B. T. Reed Fund, being a donation from Benj. T. Reed, ...	1,000.00
Wm. Reed Fund, being a bequest from Wm. Reed, ...	5,233.92
McGregor Fund, being half of a donation and bequest from James McGregor, .	7,500.00
Miss Rice Fund, being a bequest from Miss Arabella Rice, ...	5,000.00
Templeton Fund, being half of a bequest from John Templeton, ...	5,000.00
Mrs. J. H. Rogers Fund, being a donation from J. H. Rogers, ...	1,177.50
Beebe Fund, being a bequest from J. M. Beebe, ...	50,000.00
Lincoln Fund, being half of a bequest from Mrs. F. W. Lincoln, ...	85,000.00
Blanchard Fund, being a bequest from Mrs. M. B. Blanchard, ...	4,000.00
George Gardner Fund, being a donation from George Gardner, ...	1,000.00
Hemenway Fund, being a donation from the Executors of the will of Augustus Hemenway, ...	20,000.00
Jessup Fund, being part of a bequest from Dr. Chas. A. Jessup, ...	1,000.00
Tufts Fund, being a bequest from Quincy Tufts, ...	10,000.00
Read Fund, being half of a bequest from Jas. Read, ...	1,000.00
Parker Fund, being a bequest from Jno. Parker, Jr., ...	10,000.00
Amount carried forward, . .	$433,760.95

Amount brought forward, ...	$433,760.95	
Miss Shaw Fund, being a donation and bequest from Miss M. Louisa Shaw, .	5,500.00	
Eliza Perkins Fund, being a donation from Mrs. H. B. Rogers, ...	1,000.00	
Dwight Fund, being a donation from Mrs. T. Bradford Dwight, ...	1,000.00	
Hunnewell Fund, being a donation from H. H. Hunnewell, ...	10,000.00	
R. M. Mason Fund, being a bequest from R. M. Mason, ...	5,000.00	
Anna Lowell Cabot Fund, being a donation from Dr. Samuel Cabot, ...	1,000.00	
Welles Fund, being a donation from Miss Jane Welles, ...	5,000.00	
Black Fund, being a bequest from Miss Marianna Black, ...	2,000.00	
Eben Wright Fund, being an assignment of legacies by the children of T. Jefferson Coolidge, ...	14,000.00	
Paraclete Holmes Fund, being a donation from W. S. Adams, ...	2,000.00	
Estabrooks Fund, being a bequest from J. W. Estabrooks, ...	1,000.00	
Thayer Fund, being a bequest from Nathaniel Thayer, ...	30,000.00	
Sawyer Fund, being part of a bequest from M. P. Sawyer, ...	20,743.20	
		$532,004.15

Income devoted to Beneficiaries at Asylum: —

The Bromfield Fund, being half of a bequest from John Bromfield, ...	$20,000.00	
Read Fund, being half of a bequest from Jas. Read, ...	1,000.00	
Appleton Fund, $10,010 being a bequest from Samuel Appleton, $20,000 being a donation from Wm. Appleton, . .	30,010.00	
McGregor Fund, being half of a donation and bequest from James McGregor, .	7,500.00	
Austin Fund, being part of a bequest from Mrs. Agnes Austin, ...	5,000.00	
Kittredge Fund, being a bequest from Rufus Kittredge, ...	5,500.00	
Templeton Fund, being half of a bequest from John Templeton, ...	5,000.00	
		74,010.00
Amount carried forward, . . .		$606,014.15

Amount brought forward, . .	$606,014.15
Income devoted to Female Beneficiaries at Asylum:—	
The Lincoln Fund, being half of a bequest from Mrs. F. W. Lincoln, ...	85,000.00
Income unrestricted:—	
The Waldo Fund, being a bequest from Daniel Waldo, ...	40,000.00
Income devoted to any purpose except buildings:—	
The Redman Fund, being a bequest from John Redman, ...	455,113.34
Income devoted to a Triennial Prize:—	
The Warren Prize Fund, being a bequest from Dr. J. M. Warren, ...	2,299.61
Income devoted to the Library:—	
The Treadwell Library Fund, being part of a bequest from J. G. Treadwell, . . .	5,000.00
Income devoted to Books for Patients:—	
The Warren Library Fund, being a donation from Dr. J. C. Warren, ...	1,000.00
Income and Principal devoted to the publication of a History of the Hospital:—	
The Bowditch History Fund, being a bequest from N. I. Bowditch, ...	2,000.00
Income devoted to Amusements at the Asylum:—	
The Amusement Fund, $5,000 being a bequest from Miss Mary Louisa Shaw, $5,000 being a donation from Mrs. Quincy A. Shaw and other Ladies, ...	10,000.00
Amount carried forward, . . .	$1,206,427.10

Amount brought forward, . . .		$1,206,427.10
Income devoted to Special Surgical Instruments: —		
The Surgical Instrument Fund, being a donation from Dr. H. J. Bigelow, $1,250; donation of Mr. R. M. Moore, $100,		1,350.00
The Wooden Leg Fund: —		
Being a bequest from N. I. Bowditch, . . .		5,000.00
The Convalescent Home Fund, .		82,260.66
Permanent Free Beds: —		
Miss Marian Hovey, ...	$1,000.00	
Mrs. Fanny H. Morse, ...	1,000.00	
Henry S. Hovey, ...	1,000.00	
Edward Woodman, ...	1,000.00	
Children of Mrs. Henry Windsor, ...	1,000.00	5,000.00
Redman Annuities, ...		15,600.00
Clara Barton Annuity, ...		3,241.00
Asylum Building Fund, ...		124,547.31
G. H. Gay Fund, ...		25,000.00
Add unused income at credit of		
The Warren Prize Fund, ...	$296.65	
Warren Library Fund, ...	409.62	
Bowditch History Fund, ...	1,653.55	
Surgical Instrument Fund, ...	1,164.69	
Wooden Leg Fund, ...	762.19	
G. H. Gay Fund, ...	1,137.50	
Treadwell Library Fund, ...	107.85	
Asylum Building Fund, ...	25,312.84	
Clara Barton Annuity, ...	32.09	
		30,876.98
Total of Restricted Funds, ...		$1,499,303.05

TRIAL BALANCE, Dec. 31, 1883.

Dr.		*Cr.*	
Land and Buildings for Asylum,	$320,794.75	Redman Fund,	$455,113.34
Land and Buildings for Hospital,	520,008.53	Warren Prize Fund,	3,000.00
Land and Improvements, Belmont,	60,651.99	Bowditch History Fund,	2,000.00
Gay Building,	15,800.23	Wooden Leg Fund,	5,000.00
Land at Waltham,	2,352.32	Redman Annuities,	15,600.00
Annuities Receivable,	160,000.00	Clara Barton Annuity,	3,241.00
City of Boston Loan,	22,000.00	Surgical Instrument Fund,	1,350.00
Insurance Stocks,	50,000.00	Amusement Fund,	10,000.00
Delaware Mutual Insurance Company's Scrip,	885.00	Free Bed Funds,	532,004.15
Railroad Bonds,	405,600.00	Warren Library Fund,	1,000.00
Union League Club Bonds,	9,000.00	Beneficiaries at Asylum Funds,	74,010.00
Manufacturing Stocks,	41,400.00	Treadwell Library Fund,	5,000.00
Bank Stocks,	74,500.00	Lincoln Fund,	85,000.00
Real Estate Productive,	397,391.64	Funds with Income Unrestricted,	40,000.00
Railroad Stocks,	25,000.00	Asylum Building Fund,	124,547.31
Notes Receivable,	420,600.00	Convalescent Home Fund,	82,260.66
Cash,	57,343.15	G. H. Gay Fund,	25,000.00
Reversions (see item "Suspense" on Cr. side),	10.00	General Fund,	1,119,828.30
C. C. Darling, Balance in Account,	33.70	Permanent Free Beds,	5,000.00
Edward Cowles, Superintendent,	36,553.28	Suspense (see item "Reversions" on Dr. side),	10.00
J. H. Whittemore, Resident Physician,	4,737.15	Notes Payable,	3,500.00
		Subscribers for Free Beds, 1884,	900.00
		Redman Annuitants,	420.00
			$2,593,784.76
			30,876.98
	$2,624,661.74		$2,624,661.74

	$296.65
	1,653.55
	762.19
	32.09
	1,164.69
	409.62
	107.85
	25,312.84
	1,137.50
	$30,876.98

Trial Balance at Close of Business, Dec. 31, 1883.

Property on hand belonging to the Corporation invested as follows:—

INVESTMENTS PRODUCING NO INCOME.

Asylum.— Land and Buildings occupied for Asylum,	$320,794.75	
Superintendent's balance,	36,553.28	
		$357,348.03
Hospital.— Land and Buildings occupied for Hospital,	$520,008.53	
Resident Physician's balance,	4,737.15	
Gay Building,	15,800.23	
		540,545.91
Convalescent Home.— Land and Buildings occupied for Convalescent Home,		60,651.99
Sundries.— Land in Waltham,	$2,352.32	
C. C. Darling, balance in account,	33.70	
Memorandum of expectancies,	10.00	
		2,396.02
		$960,941.95

INVESTMENTS PRODUCING INCOME.

Policies Mass. Hospital Life Ins. Co.,		$160,000.00
500 shares Mass. Hospital Life Ins. Co.,		50,000.00
$22,000 City of Boston Bonds,		22,000.00
$28,000 Eastern Railroad Co.'s Bonds,		21,700.00
$1,000 Kansas City & Cameron Railroad Bonds,		1,000.00
$5,000 Boston & Lowell Railroad 7 per cent. Bonds,		5,000.00
$5,000 Boston & Albany Railroad 7 per cent. Bonds,		5,000.00
$100,000 Chicago, Bur. & Quincy R.R. 7 per cent. Bonds,		100,000.00
$15,000 Chicago, Bur. & Quincy R.R. 5 per cent. Bonds,		13,900.00
$9,000 Union League Club Bonds,		9,000.00
$100,000 Atchison, Topeka & Santa Fé 7s.,		100,000.00
$100,000 Atchison, Topeka & Santa Fé 4 1-2s.,		100,000.00
$29,000 Bur. & Mo. River in Neb., Non-Ex. 6s.,		29,000.00
$10,000 Bur. & Mo. River in Neb., Exempt 6s.,		10,000.00
$10,000 Atchison Land Grant 7s.,		10,000.00
$10,000 Kansas City, Topeka & Western R.R. 1st M. 7s.,		10,000.00
100 Shares Old Colony Railroad Co.,		10,000.00
150 " Boston & Albany Railroad Co.,		15,000.00
14 " Merrimack Manufacturing Co.,		14,000.00
1 " Appleton " "		1,000.00
9 " Amory " "		900.00
9 " Amoskeag " "		9,000.00
25 " Great Falls " "		2,500.00
Amount carried forward,		$699,000.00

		Amount brought forward,	$699,000.00
5	Shares	Boston Manufacturing Co.,	5,000.00
9	"	Stark Mills,	9,000.00
100	"	National Union Bank,	10,000.00
70	"	Tremont National Bank,	7,000.00
50	"	Old Boston " "	2,500.00
100	"	Suffolk " "	10,000.00
50	"	State " "	5,000.00
100	"	Columbian " "	10,000.00
100	"	Merchants' " "	10,000.00
50	"	New England National Bank,	5,000.00
40	"	Massachusetts " "	10,000.00
50	"	Eagle " "	5,000.00
Land and Store, 17 Blackstone Street,			19,600.00
" " " 168 Washington Street,			45,000.00
" " House, 61 Dartmouth Street,			10,000.00
Redman Mansion Estate, Washington Street,			106,000.00
Land and Houses on Warrenton Street,			17,700.00
" " Store, 496 Washington Street,			55,500.00
" " Houses on Chambers Street,			23,900.00
" " " 42-50 Cross Street,			12,691.64
Union Block, Union and Marshall Streets,			66,875.00
Robertson House, Hanover Street,			40,125.00
Notes secured by Mortgage,			260,600.00
$20,000 Notes Phila., Wilmington & Baltimore R.R. Co.			20,000.00
Notes Receivable, with Personal and Collateral Securities,			140,000.00
$885 Scrip. Delaware Mutual Ins. Co.,			885.00
Cash deposited in bank at interest,			57,343.15
		Investments producing Income,	$1,663,719.79
		Investments producing no Income,	960,941.95
The exact foot of Trial Balance,			$2,624,661.74

D. R. WHITNEY, *Treasurer*.

TABLE OF THE EXPENSES OF THE HOSPITAL AND ASYLUM FOR TWENTY-TWO YEARS, — 1862 TO 1883.

ORDINARY EXPENSES.

Year.	Cost of Paying Patients.	Cost of Free Patients.	Other Charities.	Total Expenses of		Average cost per week per patient.		Cost over Board.	
	Hospital.	Hospital.	Hospital.	Hospital.	Asylum.	Hospital	Asylum.	Hospital.	Asylum.
1862	$6,628.65	$35,072.01	$414 15	$42,114.81	$71,823.46	$6.04	$7.27	$36,260.92	$6,640.81
1863	6,151.27	40,575.14	695.30	47,421.71	69,300.63	6.66	6.98	41,109.46	2,170.56
1864	10,224.81	49,286.53	648.21	60,159.55	101,484.38	8.38	9.76	52,445.01	4,523.85
1865	23,119.62	34,131.83	717.35	57,968.80	120,885.84	9.86	12.49	43,121.53	9,567.86
1866	30,086.08	37,538.12	1,162.60	68,786.80	126,015.83	13.88	12.30	53,809.36	558.19
1867	26,086.67	33,758.02	1,164.53	61,009.22	133,844.14	11.28	13.84	44,291.54	
1868	23,663.50	42,481.71	1,419.26	67,564.47	142,535.36	12.74	16.51	52,893.02	14,642.07
1869	20,128.86	40,736.44	1,373.30	62,238.60	138,132.02	10.14	14.21	48,811.90	
1870	15,844.35	46,087.42	883.05	62,814.82	134,339.63	10.05	13.83	50,811.01	
1871	15,266.51	47,126.12	1,133.74	63,526.37	146,191.23	9.96	15.80	52,447.68	9,996.88
1872	12,664.70	56,537.74	1,497.86	70,700.30	153,327.60	10.10	16.93	59,547.91	14,917.57
1873	16,681.66	69,109.97	2,135.29	87,926.92	165,023.79	10.29	19.23	72,435.94	26,404.27
1874	14,198.41	64,266.27	2,634.60	81,099.28	161,934.11	10.13	19.59	67,548.81	2,750.66
1875	10,677.72	71,447.23	1,761.59	83,886.54	165,660.47	9.72	21.07	71,989.93	11.872.47
1876	11,344.58	82,033.60	1,312.94	94,691.12	164,973.80	9.41	19.72	82,027.86	13,019.51
1877	10,833.10	72,678.63	279.16	83,790.89	143,148.94	9.47	15.66	72,957.79	
1878	11,252.42	85,102.61	588.98	96,944.01	136,394.36	9.87	15.55	83,516.61	
1879	11,564.44	77,216.88	514.25	89,295.57	117,250.02	10.54	14.30	73,440.58	
1880	10,529.35	81,085.73	462.82	92,077.90	131,172.69	10.39	16.48	79,280.61	10,078.33
1881	13,462.12	88,241.17	450.51	102,153.80	134,561.14	11.87	16.92	88,268.68	20,719.30
1882	12,947.98	95,642.45	8,928.82*	117,519.25	138,518.26	12.43	17.02	95,684.95	18,172.21
1883	18,389.28	90,665.70	6,575.92†	115,630.90	139,711.39	12.63	16.16	91,213.57	5,376.89
22 years,								$1,413,914.67	$171,351.43

* Including Convalescent Home, $8,365.94. † Including Convalescent Home, $6,204.15.

Annual Report of the Resident Physician

of the

MASSACHUSETTS GENERAL HOSPITAL

For the Year 1883.

Number of Patients in the Hospital, January 1, 1883.

Paying,	24
Free,	141
Total,	165

Admitted from January 1, 1883, to January 1, 1884.

	Males.	*Females.*	*Total.*
Patients paying board,	271	178	449
Patients paying board part of the time,	49	30	79
Patients entirely free,	947	545	1,492
	1,267	753	2,020

	Medical.	*Surgical.*
Males (Boys, 97),	351	905
Females (Girls, 63),	350	414
	701	1,319

Of these, 2 paid $50 per week; 1 paid $49; 29 paid $35; 1 paid $28; 4 paid $25; 42 paid $21; 1 paid $18; 6 paid $15; 74 paid $14; 4 paid $12; 75 paid $10.50; 9 paid $10; 243 paid $7; 2 paid $6; 18 paid $5; 2 paid $4.50; 2 paid $4; 1 paid $3.50; 8 paid $3; 2 paid $2.

Whole number of patients treated during the year: paying, 473; paying a part of the time, 79; free, 1,633; total, 2,185.

Discharged during the Year.

	Medical.	*Surgical.*	*Male.*	*Female.*	*Total*
Well,	366	920	809	477	1,286
Much relieved,	112	87	101	98	199
Relieved,	94	95	94	85	179
Not relieved,	40	22	28	33	61
Not treated,	32	80	55	53	108
Dead,	53	113	128	53	181
Insane and eloped,	4	7	7	4	11
	701	1,324	1,222	803	2,025

Number of Patients remaining December 31, 1883.

Males,	97
Females,	63
Total,	160
Paying,	32
Free,	128
Total,	160
Medical,	60
Surgical,	100
Total,	160

Proportion of deaths to whole number of results, 8.93 per cent.

Number of patients received on account of accidents, 432.

The greatest number of paying patients at any one time was 49; in private rooms, 8; the greatest number of free patients, 168; the greatest total, 189. The least number of paying patients at any one time was 15; in private rooms, 3; the least free, 118; the least total, 143. The proportion of ward beds occupied by free patients was 77 per cent.; by paying patients, 23 per cent. About 13.7 of the paying patients occupied private rooms. The average number of patients was 168: males, 105.5; females, 62.5.

The average number of paying patients was 28: Americans, 20; foreigners, 8.

The average number in private rooms was 6.

The average number of free patients was 138: Americans, 70; foreigners, 68.

The average time of paying patients was 2.75 weeks; and that of free patients, 4.80.

Residences.

Boston,	945
Massachusetts (excepting Boston),	953
Maine,	27
New Hampshire and Vermont,	45
Rhode Island and Connecticut,	14
Other States,	10
British Provinces,	26
	2,020

Birthplaces.

Boston,	104
Massachusetts (excepting Boston),	555
Maine,	123
New Hampshire,	83
Vermont,	42
Rhode Island and Connecticut,	34
New York,	37
Southern and Western States,	57
Total Americans,	1,035

British Provinces,	196
Great Britain,	132
Ireland,	562
Germany,	26
Norway and Sweden,	31
France,	7
Western Islands,	
Belgium and Holland,	
Italy,	8
Switzerland,	
Other places,	23
Total Foreigners,	985

Occupations.

Males.	*Paying.*	*Free.*	*Partial Payment.*
Mechanics,	65	233	14
Laborers,	51	430	16
Farmers,	21	22	4
Minors,	22	89	3
Seamen,	17	29	6
Clerks,	18	32	2
Teamsters,	2	32	1
Traders,	10	10	1
Servants,	3	19	1
Lawyers,		1	
Clergymen,	2	2	
Physicians,	4	5	
Merchants,	7	6	
Students,	4	4	
Other professions,	45	33	1
	271	947	49

Total males, 1,267. Of these, 31 were in private rooms.

Females.	*Paying.*	*Free.*	*Partial Payment.*
Domestics,	16	236	8
Minors,	19	46	4
Wives,	98	149	10
Widows,	5	20	
Seamstresses,	13	24	2
Spinsters,	21	17	
Operatives,	3	19	4
Teachers,	2	2	1
Clerks,		3	
Nurses,	1	29	1
	178	545	30

Total females, 753. Of these, 43 were in private rooms.

Sixteen per cent. of the free patients were female domestics; twenty-nine per cent. were laborers; fifteen per cent. were mechanics; and nine per cent. were minors.

Admissions Refused.

Phthisis (Consumption),	56
Syphilis,	21
Chronic Ulcers,	20
Scrofula and Abscesses,	18
Insanity and Delirium Tremens,	9
Hip and Spine,	48
Debility and Senility,	19
Chronic Rheumatism,	22
Paralysis,	19
Epilepsy,	7
Cancer,	13
Uterine,	23
Injuries,	13
Of Skin,	15
Contagious,	17
Other diseases,	210
Total,	440

Males,	331
Females,	199
Americans,	443
Foreigners,	187
Residents of Boston,	176
Residents of Massachusetts,	262
Residents of other places,	92

Out-Patients.

Number of new patients,	7,102
Men,	2,596
Women,	3,174
Children,	1,332
Americans,	4,145
Foreigners,	2,957
Residents of Boston,	4,747
Of other places,	2,355
Medical department for women,	1,630
Medical department for men and children,	1,386
Surgical department,	5,285
Ophthalmic department,	980
Dental department,	3,075
Department for diseases of the skin,	1,731
Department for diseases of the nervous system,	1,169
Department for diseases of the throat,	1,175
Total attendance,	16,431

Average daily attendance,	130
Fractures and dislocations,	142
Wounds,	216
Sprains and injuries,	121
Abscesses,	95
Ulcers,	30
Felons,	41
Tumors,	84
Diseases of hip,	17
Diseases of spine,	21
Genito-urinary,	117
Club-foot,	6
Specific,	18
Hernia,	31
Necrosis,	10
Fistula in ano,	5
Diseases of joints,	99
Referred,	75
Miscellaneous,	453

Of the dental patients, 848 had 1,089 teeth filled, 1,459 had 2,299 teeth extracted.

Whole number of new patients in the Out-Patient Department in 1880,	20,566
Whole number of new patients in 1881,	18,443
Whole number of new patients in 1882,	16,304
Whole number of new patients in 1883,	7,102
Whole number refused admission in 1883,	387
Whole number of visits of investigation,	503
Whole number found deserving of charity,	349
Whole number found undeserving of charity,	154

Out-Patient Department open only five months.

Convalescent Home: —

	Males.	*Females.*	*Total.*
Remaining January 1, 1883,	9	6	15
Admitted,	94	93	187
Total,	103	99	202
Discharged,	100	95	191
Remaining January 1, 1884,	3	4	7

Respectfully submitted,

JAMES H. WHITTEMORE,
Resident Physician.

Jan. 1, 1884.

TABLE SHOWING THE COST OF THE PRINCIPAL STORES AT THE MASSACHUSETTS GENERAL HOSPITAL.

Articles.	1877.			1878.			1879.			1880.			1881.			1882.			1883.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average
Beef, Sirloin, lbs.	9,100	$1,927.38	.2118	7,729	$1,610.72	.2084	8,375	$1,716.87	.205	8,815	$1,692.99	.1941	8,658	$1,792.20	.207	7,856	$1,931.95	.245	8,793	$1,975.38	.224
" for Soup, "	560	23.80	.0425	132	5.28	.04															
" Corned, "	5,889	479.54	.0816	4,378	324.72	.07415	123	288.61	.07	4,952	3 6.64	.07	5,183	367.99	.07	6,522	673.76	.103	6,925½	670.88	.095
" Round, "	9,327	805.85	.0864	11,944	1,016.43	.0851	12,973	1,054.70	.0813	16,414	1,148.98	.07	19,477	1,636.06	.084	19,705	1,976.68	.103	22,327	2,120.83	.095
" Rump, "	6,882	1,163.05	.169	4,158	635.34	.1528															
" Roasting, "	11,584	1,274.24	.11	14,998	1,349.82	.09	14,141	1,341.98	.0949	16,439	1,643.90	.10	16,438	1,758.86	.107	16,221	2,159.07	.133	16,962	2,047.78	.120
Mutton, . . "	18,416	2,509.04	.13624	15,808	1,903.28	.1204	12,592	1,385.12	.11	15,522	1,876.60	.1208	21,093	2,720.99	.129	16,365	2,216.01	.135	21,075	2,999.89	.142
Poultry, . . "	13,509	2,475.65	.184	14,079	2,276.57	.1617	14,488	2,433.98	.168	13,682	2,123.44	.1552	13,562	2,278.41	.168	12,082	2,348.41	.195	10,263	2,318.56	.225
Butter, . . . "	10,056	2,644.72	.263	10,156	2,500.40	.2462	10,526	2,589.39	.246	11,011	3,366.06	.3057	11,129	3,505.63	.315	16,843	3,770.97	.221	10,468	3,329.97	.317
Eggs, . . doz	4,608	967.68	.21	5,495	967.12	.176	4,392	843.26	.192	4,214	866.39	.2056	4,401	1,188.27	.26	5,234	1,470.59	.281	5,479	1,491.60	.272
Flour, . . bbls.	40	362.48	9.062	42	323.82	7.71	37	266.80	7.40	51	440.15	8.65	49	468.73	9.565	49	459.25	9.937	52	406.00	7.80
Bread, . . . lbs.	34,343	1,717.15	.05	35,800	1,790.00	.05	36,556	1,827.80	.05	40,536	2,026.80	.05	34,892	1,744.60	.05	35,340	1,943.70	.055	34,971	1,923.42	.055
Ice, . . . tons.	180⅔	627.54	3.48	238½	808.25	3.333	271¾	714.70	2.63	280¼	1,297.56	4.63	305	887.55	2.91	352¼	737.72	2.209	380 1/10	679.27	1.78
Sugar, . . . lbs.	10,592	982.88	.0928	12,979	1,023.65	.0781	15,462	1,189.32	.769	21,005	2,003.87	.0954	20,552	1,901.06	.09	22,192	2,021.57	.091	20,980	1,801.38	.086
Tea, ... lbs.	593	222.96	.376	738	254.61	.345	848	337.82	.398	1,134½	471.95	.416	555	244.22	.44	1,114	446.85	.401	1,074	432.60	.402
Milk, . . . qts.	97,594	4,879.70	.05	107,618	5,380.90	.05	96,186	4,934.34	.0513	89,904½	4,495.22½	.05	92,350	4,617.50	.05	95,358	5,007.70	.052	106,032	5,637.78	.053
Potatoes, . bush.	909	915.36	1.007	973	964.61	.77	942	1,010.76	1.073	1,039½	902.58	.868	981	1,101.66	1.125	1,005	1,374.72	1.368	1,062½	1,129.15	1.063

THE AMBULANCE

OF THE

MASSACHUSETTS GENERAL HOSPITAL,

Accompanied by a medical officer, will be despatched to any point within the city proper for the conveyance of cases of *accident* or *urgent sudden sickness*, *not contagious*, to this Hospital, or elsewhere, upon notice from a physician, the police, or other responsible source, subject to the approval of the undersigned.

In cases requiring gratuitous treatment, no charge will be made.

By order of the Board of Trustees.

JAMES H. WHITTEMORE,
Resident Physician,
Mass. Gen. Hospital, Blossom St.

SIXTY-SIXTH ANNUAL REPORT

OF THE

SUPERINTENDENT OF THE McLEAN ASYLUM FOR THE INSANE,

TO THE

TRUSTEES OF THE MASS. GENERAL HOSPITAL,

For the Year 1883.

TO THE TRUSTEES OF THE MASSACHUSETTS GENERAL HOSPITAL:

Gentlemen,— The following report, with tabular statements relating to the number and condition of the patients treated in the Asylum during the year 1883, is respectfully presented:—

TABLE No. 1.

GENERAL STATISTICS OF THE YEAR.

	Males.	Females.	Total.
Patients in the Asylum, Jan. 1, 1883,	74	93	167
Admissions within the year,	48	61	109
Whole number of *cases* within the year,	122	154	276
Discharged within the year,	52	59	111
Namely,—as Recovered,	18	19	37
Much improved,	5	11	16
Improved,	7	4	11
Unimproved,	12	18	30
Deaths,	10	7	17
Patients remaining Dec. 31, 1883, supported as private patients,	70	95	165
Number of different *persons* within the year,	119	151	270
" " " " admitted,	48	59	107
" " " " recovered,	18	19	37
Daily average number of patients,	69.20	94.65	163.85

During the year, two women were twice admitted, one of whom, once discharged recovered, and once much improved, was a voluntary patient on both occasions, and is still under treatment; and the other, also a voluntary patient, was discharged not improved, and afterward committed in the regular way.

Two men, after being discharged improved and much improved, were admitted and again discharged, not improved and improved respectively. Another man was admitted having been previously discharged not improved. Thus there were two hundred and seventy-six cases treated, representing two hundred and seventy persons.

Of the one hundred and seven persons admitted, sixty-seven were regarded as recent cases and forty as chronic, or as incurable at the time of admission.

Seventy-five persons, thirty-four men and forty-one women, had never been in any hospital. Of the remaining thirty-two persons, eighteen, seven men and eleven women, were admitted for the second time; seven, five men and two women, for the third time; three, two men and one woman, for the fourth time.

Thirty-four cases, representing thirty-three persons, ten men and twenty-three women, were admitted as voluntary patients upon their written applications. Two of the men were not insane: one, a case of the opium habit, was discharged recovered; and the other, of alcoholism, was discharged improved. Of the remaining thirty-one persons, twenty-five, five men and twenty women, were cases of melancholia; four, one man and three women, were cases of mania; and two men were cases of general paralysis. Of these voluntary patients, three, one man and two women, were committed while still resident at the Asylum; and one woman, already referred to, was

discharged, and afterwards returned under a commitment. Eleven of the thirty-four voluntary cases, two men and nine women, were discharged within the year recovered; four more, two men and two women, as improved or much improved; and two men and one woman as not improved.

There are remaining in the Asylum, under the voluntary relation, fifteen persons, three men and twelve women, who entered during the year. Eleven of these voluntary patients had formerly been inmates of the Asylum.

There were twenty-seven more admissions, forty-one more discharges, and thirty-nine more cases under treatment than during the year 1882; and the number present was two less at the end than at the beginning of the year.

Of the one hundred and eight persons discharged, including deaths, nineteen were transferred to other hospitals, five men and thirteen women to those in this State, and one woman to a State hospital in Virginia.

Of the thirty-seven persons discharged recovered, twenty-six had never before been inmates of any hospital; and, of the remaining eleven persons, nine had been in this Asylum. These eleven persons had previously made twenty recoveries, three of which were at other hospitals.

The average duration of illness, from the beginning of attack, of all cases recovered, was 13.39 months; and the average duration of their hospital residence was 8.32 months.

The percentage of recoveries on admissions was 33.94. The number of recoveries was larger by eleven than in the previous year.

Of the seventeen deaths during the year, three were of elderly persons who had been many years in

the Asylum, and died of senility and senile gangrene. Five persons died of general paralysis, six of exhaustion from mania and melancholia, two of pneumonia, and one of hystero-epilepsy and syncope. Two of the deaths were of persons between seventy and eighty years old and two between eighty and ninety years.

The results of the year and those just preceding show that the Asylum, in common with the State hospitals, has felt the demand for increased accommodations for the insane. During the last three years, the increase has been constant in the numbers admitted, treated, recovered, and discharged. The average number present at any one time has not been much increased, and the results have been gained by a more rapid movement of the population. This has no doubt been promoted by the practice of free visiting of friends to patients and of the latter to their homes. The home visits, begun early in suitable cases, at first brief, and then gradually prolonged, have undoubtedly a positive curative influence. It being the general understanding among the patients that such visits can be made, they are thereby strongly encouraged to make such efforts in the direction of self-control and good conduct as will render the visits possible.

In connection with this practice, and contributing with it in a curative way to the common result, by promoting a feeling of mutual confidence among all concerned, the marked success of the voluntary system becomes a noteworthy feature of the operations of the year. According to the report of the Board of Health, Lunacy, and Charity for the year 1882, there were admitted in that year twenty-three voluntary cases to all the hospitals and asylums in the State. Eleven of them were at this Asylum; and this number was increased to thirty-four admissions

of such cases as before stated during the past year, equal to nearly one-third of all the admissions for the year. Omitting those not insane, the remaining thirty-one persons, only four of whom were afterwards committed in the regular way, afforded eleven recoveries; and others are doing well.

These voluntary cases not having been pronounced insane by a formal examination and commitment, a question arises as to their diagnoses and classification. Cases of nervous disease with mild or impending mental disturbance might be included with those designated as "not insane"; but to report them in that way might imply the presence in a hospital for the insane of persons discovered to be not properly there, and thus deprive the hospital of credit due for the most satisfactory of all its work, — the saving of the patient from worse illness or his early cure.

For purposes of classification, the thirty-one cases under consideration are treated as insane. Some of them had been in hospital before,— eleven in this Asylum. Of these readmissions, some were saved from the impending attacks; and others became worse after admission, as was to have been expected. The same was true of others for whom it was their first admission. Others were subjects of suicidal impulse without delusions, who understandingly sought self-protection in the Asylum. The comparatively mild melancholia that also characterized some of these cases was all the disturbance that appeared in a few remaining ones. Some of the cases would have been good ones for home treatment, had circumstances permitted it; but still there were those who were undoubtedly benefited by removal from home to new surroundings and by the influences of the Asylum.

The presence in the house of voluntary cases in

increasing numbers has a good effect, particularly upon new comers, who, influenced by example, become sooner wonted to their residence here. It is to be said, however, that sometimes the indecision of patients as to whether to remain or go away is not beneficial; but, on the other hand, it is not the least of the advantages of the system that it makes hospital people careful and attentive to such patients in endeavoring to make them contented, and not only are their mutual relations modified, but those of the friends of patients to the hospital are more satisfactory. It has been suggested that "it is a question how far these admissions will be strictly voluntary, if the number become large; for the will of an insane person is often but the will of some stronger person for the time being." While this is undoubtedly true of some cases, it is probable that seeking hospital care was as purely voluntary in most of these cases as voluntary acts usually are that are products of unfortunate necessity, under the persuasion or advice of friends upon whom the invalid leans under such circumstances. But, of the cases of which the above statement is true, it is only according to the natural order of things that it should be so; for most persons who are seriously ill do submit, as it is reasonable they should, to such guidance by friends, who also have rights that should be considered in this matter. It is a valuable consideration, also, that, when a sick insane person is persuaded to go to a hospital, it involves at least the necessity of giving the patient an understanding of the purposes of his friends and the reasons for them. As the number of these admissions becomes larger here, they do not appear to be less strictly voluntary; but the fact that there is a number of such cases in the Asylum has an influence in persuading others who need hospital care to more willingly follow the example.

Much benefit was derived from the occupation of a cottage at the seashore in Lynn during four months, from June to October. Six ladies spent all or a part of the season there; and, communication by railroad being easy, nearly every week parties of ladies were sent to spend the afternoon there, and to dine or take tea. This usually included some pleasant hours spent in strolling on the beach or sitting on the rocks, and was altogether a source of much pleasure and benefit.

Some repairs and alterations have been made during the year, of the kind noticed in previous reports, for the purpose of improving and making more pleasant some of the wards and rooms. All the windows of the first and second stories of the two principal buildings of the department for women have had the bars removed, and their removal from those of the third story is in progress. Similar changes have been begun in one of the men's wards.

In the matter of improving the nursing service by introducing a Training School system, progress has been made; and the employment of women as nurses in the men's wards continues to meet with unqualified success.

The usual means have been employed for the occupation and entertainment of the patients. There have been the usual concerts, exhibitions, and dancing parties; and the daily drives and visits to places of interest have formed an important part of the outdoor recreation.

Special thanks are due to Mr. S. D. Warren for the gift of a Steinway piano, and the interest manifested in the Asylum by other friends is gratefully remembered. Very respectfully,

EDWARD COWLES,
Superintendent.

TABLE No. 2.

MONTHLY ADMISSIONS, DISCHARGES, AND AVERAGES.

Months.	Admissions.			Discharges (including Deaths).			Daily Average of Patients in the House.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
January, . .	2	3	5	. .	1	1	71.97	93.32	165.29
February, .	4	3	7	3	4	7	75.11	90.68	165.79
March, . .	5	4	9	4	. .	4	71.87	93.13	165.
April, . . .	4	5	9	6	4	10	71.56	94.47	166.03
May, . . .	3	7	10	4	8	12	73.41	94.69	168.10
June, . . .	4	7	11	6	3	9	70.70	98.67	169.37
July, . . .	1	7	8	6	2	8	64.51	98.88	163.39
August, . .	5	3	8	4	7	11	59.32	95.39	154.71
September, .	6	8	14	4	8	12	65.50	93.20	158.70
October, . .	2	7	9	2	7	9	66.87	94.71	161.58
November, .	7	5	12	4	6	10	70.13	95.97	166.10
December, .	5	2	7	9	9	18	69.52	92.67	162.19
Total *cases*, .	48	61	109	52	59	111	69.20	94.65	163.85
" *persons*,	48	59	107	50	58	108	. .	. .	. .

TABLE No. 3.

RECEIVED ON FIRST AND SUBSEQUENT ADMISSIONS.

Number of Admissions.	Cases admitted.			Times previously recovered.		
	Males.	Females.	Total.	Males.	Females.	Total.
First, ...	34	41	75	2	6	8
Second, ...	7	12	19	1	7	8
Third, ...	5	2	7	2	5	7
Fourth, ...	2	1	3	. .	3	3
Fifth, ...	. .	2	2	. .	4	4
Seventh, ...	. .	1	1	. .	6	6
Twelfth, ...	. .	1	1	. .	2	2
Thirteenth, . . .	. .	1	1	. .	. .	. .
Total of *cases*, . .	48	61	109	5	33	38
Total of *persons*, .	48	59	107	. .	. .	. .

These 38 recoveries represent 22 persons, 14 having recovered one, 4 two, 2 three, 1 four, and 1 six times.

TABLE No. 4.

AGES OF PERSONS ADMITTED FOR THE FIRST TIME.

Ages.	At first attack of Insanity.			When admitted.		
	Males	Females.	Total.	Males.	Females.	Total.
15 years and less,	. .	. .	. .	. .	. .	. .
From 15 to 20 yrs.,	. .	1	1	. .	. .	. .
" 20 to 25 "	4	8	12	3	5	8
" 25 to 30 "	1	7	8	1	9	10
" 30 to 35 "	4	6	10	4	6	10
" 35 to 40 "	8	4	12	6	5	11
" 40 to 50 "	3	10	13	4	10	14
" 50 to 60 "	7	5	12	9	6	15
" 60 to 70 "	6	. .	6	5	. .	5
" 70 to 80 "	1	. .	1	2	. .	2
Total of *persons*,	34	41	75	34	41	75

TABLE No. 5.

PARENTAGE OF PERSONS ADMITTED.

Places of Nativity.	Males.		Females.		Total.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine,	5	7	6	6	11	13
New Hampshire,	4	3	8	5	12	8
Vermont,	3	4	2	. .	5	4
Massachusetts,	20	18	28	35	48	53
Rhode Island,	. .	. .	1	. .	1	. .
Connecticut,	1	1	. .	. .	1	1
New York,	1	1	2	1	3	2
Pennsylvania,	2	2	. .	. .	2	2
Virginia,	1	1	. .	. .	1	1
Minnesota,	1	1	. .	. .	1	1
Washington, D.C.,	. .	. .	1	1	1	1
England,	2	2	3	3	5	5
Germany,	1	1	1	1	2	2
Ireland,	6	6	3	3	9	9
New Brunswick,	. .	. .	1	1	1	1
Nova Scotia,	. .	. .	2	2	2	2
Poland,	. .	. .	1	1	1	1
Surinam,	1	1	. .	. .	1	1
Total of *persons*,	48	48	59	59	107	107

TABLE No. 6.

RESIDENCE OF PERSONS ADMITTED.

Places.	Males.	Females.	Total.
Massachusetts: —			
Suffolk County,	17	24	41
Middlesex County,	10	19	29
Essex County,	7	7	14
Norfolk County,	2	..	2
Barnstable County,	1	2	3
Plymouth County,	1	2	3
Bristol County,	..	2	2
Hampden County,	..	1	1
Hampshire County,	..	1	1
New Hampshire,	1	..	1
Vermont,	2	..	2
New York,	4	1	5
Pennsylvania,	1	2	3
Minnesota,	1	..	1
Colorado,	1	..	1
Total of *cases*,	48	61	109
Total of *persons*,	48	59	107

TABLE No. 7.

CIVIL CONDITIONS OF PERSONS ADMITTED.

Number of the Admission.	Unmarried.			Married.			Widowed.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First,	11	22	33	19	15	34	4	4	8
Second,	3	5	8	3	6	9	1	1	2
Third,	2	2	4	3	..	3	..	..	..
Fourth,	..	..	..	1	1	2	1	..	1
Fifth,	..	2	2	..	..	..	..	..	..
Seventh,	..	1	1	..	..	..	..	..	..
Twelfth,	..	..	..	..	..	..	..	1	1
Thirteenth,	..	..	..	..	..	..	..	1	1
Total *cases*,	16	32	48	26	22	48	6	7	13
Total *persons*,	16	32	48	26	21	47	6	6	12

TABLE No. 8.

OCCUPATIONS OF PERSONS ADMITTED.

Occupations.	Males.	Females.	Total.
Housewife,	. .	23	23
Clerk,	5	2	7
Manufacturer,	1	. .	1
Merchant,	15	. .	15
Farmer,	2	. .	2
Student,	. .	1	1
Teacher,	1	6	7
Lawyer,	4	. .	4
Physician,	3	. .	3
Clergyman,	2	. .	2
Musician,	. .	1	1
U.S. Consul,	1	. .	1
Mechanic,	9	. .	9
Seamstress,	. .	1	1
Servant,	. .	2	2
No occupation,	5	23	28
Total of *persons*,	48	59	107

TABLE No. 9.

REPORTED DURATION OF INSANITY BEFORE LAST ADMISSION.

Previous Duration.	First Admission to any Hospital.			All other Admissions.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	. .	. .	. .	. .	. .	. .	. .	. .	. .
Under 1 mo.,	13	7	20	1	6	7	14	13	27
Fr. 1 to 3 mo.,	5	13	18	1	5	6	6	18	24
" 3 " 6 "	1	10	11	. .	1	1	1	11	12
" 6 " 12 "	6	5	11	2	1	3	8	6	14
" 1 " 2 yrs.,	6	4	10	3	1	4	9	5	14
" 2 " 5 "	1	1	2	4	5	9	5	6	11
" 5 " 10 "	1	. .	1	3	1	4	4	1	5
"10 " 20 "	1	. .	1	. .	. .	. .	1	. .	1
"20 " 30 "	. .	1	1	. .	. .	. .	. .	1	1
Total *cases*,	34	41	75	14	20	34	48	61	109
Total *persons*,*	. .	. .	. .	14	18	32	48	59	107
Average of known persons (in years),	1.23	.58	.87	2.74	1.57	2.09			

* Two persons not insane.

TABLE No. 10.

FORM OF DISEASE IN THE CASES ADMITTED.

Form of Disease.	Males.	Females.	Total.
Mania, acute,	9	16	25
Mania, chronic,	6	4	10
Mania, puerperal,	. .	1	1
Mania, recurrent,	1	2	3
Melancholia, acute,	16	28	44
Melancholia, chronic,	2	3	5
Dementia, chronic,	2	6	8
Dementia, senile,	2	. .	2
General paralysis,	8	. .	8
Opium habit,	1	. .	1
Alcohol habit,	1	. .	1
Hystero-epilepsy,	. .	1	1
Total of *cases*,	48	61	109
Total of *persons*,	48	59	107

TABLE No. 11.

ALLEGED CAUSES OF INSANITY IN PERSONS ADMITTED.

Causes.	Males.	Females.	Total.
Mental.			
Grief,		3	3
Anxiety,	12	9	21
Physical.			
Ill-health,	7	15	22
Overwork,	6	4	10
Constitutional,	2	7	9
Change of life,	. .	4	4
Child-birth,	. .	1	1
Lactation,	. .	1	1
Uterine disease,	. .	1	1
Epilepsy,	2	. .	2
Sunstroke,	1	. .	1
Alcohol,*	3	. .	3
Opium,*	1	1	2
Apoplexy,	. .	1	1
Senility,	2	. .	2
Unknown,	12	14	26
Total of *cases*,	48	61	109
Total of *persons*,	48	59	107

* Two of these persons not insane.

TABLE No. 12.

RELATION TO HOSPITALS OF THE PERSONS ADMITTED.

	Males.	Females.	Total.
Never before in any Hospital,	34	41	75
Former inmates of this Hospital,	7	10	17
Former inmates of other Hospitals in this State: —			
Danvers,	1	..	1
South Boston,	1	..	1
Worcester,	1	..	1
Private Asylum,	..	2	2
Former inmates of Hospitals in other States,	1	3	4
Former inmates of this Hospital and of other Hospitals in this State: —			
Danvers,	1	..	1
Private Asylum,	1	..	1
Former inmates of this Hospital and of Hospitals in other States,	1	5	6
Total of *cases*,	48	61	109
Total of *persons*,	48	59	107

TABLE No. 13.

DISCHARGES CLASSIFIED BY ADMISSION AND RESULT.

Admission.	Recovered.			Much Improved.			Improved.			Unimproved.			Died.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First,*	15	10	25	4	7	11	4	1	5	8	16	24	8	5	13	39	39	78
Second, ...	2	5	7	1	2	3	2	. .	2	2	2	4	. .	1	1	7	10	17
Third, ...	1	1	2	. .	. .	. .	. .	. .	. .	1	. .	1	2	. .	2	4	1	5
Fourth, ...	. .	. .	. .	. .	1	1	1	1	2	1	. .	1	. .	1	1	2	3	5
Fifth, ...	. .	1	1	. .	. .	. .	. .	1	1	. .	1	1	. .	. .	. .	. .	3	3
Seventh, ...	. .	1	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1
Eleventh, ...	. .	1	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1
Twelfth, ...	. .	. .	. .	. .	1	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1
Total of *cases*, . . .	18	19	37	5	11	16	7	3	10	12	19	31	10	7	17	52	59	111
Total of *persons*, . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	50	58	108

* Two of these persons not insane.

TABLE No. 14.

CASES DISCHARGED RECOVERED.—DURATION.

Period.	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 mo.,	8	8	16	. .	. .	. .	. .	. .	. .
Fr. 1 to 3 mo.,	2	5	7	8	3	11	3	1	4
" 3 " 6 "	4	4	8	4	5	9	6	3	9
" 6 " 12 "	1	1	2	4	7	11	2	8	10
" 1 " 2 yrs.,	2	1	3	2	3	5	5	6	11
" 2 " 5 "	1	. .	1	. .	. .	. .	2	. .	2
" 5 " 10 "	. .	. .	. .	. .	1	1	. .	1	1
Total *persons*,*	18	19	37	18	19	37	18	19	37
Average of known cases (in months),	6.48	3.75	5.08	5.41	11.06	8.32	12.79	13.96	13.39

* One of these persons not insane.

TABLE No. 15.

CASES RESULTING IN DEATH.—DURATION.

Period.	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 mo.,	3	3	6	3	3	6	1	3	4
Fr. 1 to 3 mo.,	1	. .	1	2	1	3	2	. .	2
" 3 " 6 "	1	1	2	1	. .	1	. .	. .	. .
" 6 " 12 "	2	2	4	1	. .	1	. .	. .	. .
" 1 " 2 yrs.,	3	. .	3	1	. .	1	3	. .	3
" 2 " 5 "	. .	1	1	1	1	2	3	2	5
" 5 " 10 "	. .	. .	. .	. .	1	1	. .	1	1
" 10 " 15 "	. .	. .	. .	1	. .	1	1	. .	1
" 20 " 25 "	. .	. .	. .	. .	1	1	. .	1	1
Total, . .	10	7	17	10	7	17	10	7	17
Average of known cases (in months),	8.37	10.07	9.07	21.37	58.91	36.75	30.03	68.68	45.94

TABLE No. 16.

CASES DISCHARGED BY RECOVERY OR DEATH.

Form of Insanity.	Recoveries.			Deaths.		
	Males.	Females.	Total.	Males.	Females	Total.
Mania, acute, ...	8	7	15	2	1	3
Mania, chronic, ...	. .	. .	. .	1	1	2
Melancholia, acute, .	9	12	21	. .	2	2
Melancholia, chronic, .	. .	. .	. .	1	. .	1
Dementia, chronic, . .	. .	. .	. .	1	1	2
Dementia, senile, . .	. .	. .	. .	1	. .	1
General Paralysis, . .	. .	. .	. .	4	1	5
Hystero-epilepsy, . .	. .	. .	. .	. .	1	1
Opium habit,* . . .	1	. .	1	. .	. .	. .
Total of *cases*, . . .	18	19	37	10	7	17
Total of *persons*, . .	18	19	37	10	7	17

* Not insane.

TABLE No. 17.

CAUSES OF DEATH.

Causes.	Males.	Females	Total.
Cerebral Disease.			
General Paralysis, ...	4	1	5
Exhaustion from Mania, ...	3	. .	3
Exhaustion from Melancholia, ...	1	2	3
Hystero-epilepsy, ...	. .	1	1
Other Causes.			
Pneumonia, ...	1	1	2
Senile Gangrene, ...	. .	1	1
Senility, ...	1	1	2
Totals, ...	10	7	17

TABLE No. 18.

RECOVERIES, CLASSIFIED BY RESULTS OF PREVIOUS ADMISSIONS.*

Number of the Admission.	Recovered.			Much Improved.			Improved.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Second, ...	. .	4	4	2	. .	2	. .	. .	. .	2	4	6
Third, ...	1	1	2	. .	. .	. .	. .	. .	. .	1	1	2
Fifth, ...	. .	1	1	. .	. .	. .	. .	. .	. .	. .	1	1
Seventh, ...	. .	1	1	. .	. .	. .	. .	. .	. .	. .	1	1
Eleventh, ...	. .	1	1	. .	. .	. .	. .	. .	. .	. .	1	1
Total of *persons*, .	1	8	9	2	. .	2	. .	. .	. .	3	8	11

*This classification is based upon the result of the admission next preceding the last, in each case respectively.

TABLE No. 19.

DEATHS, CLASSIFIED BY DURATION OF INSANITY AND OF TREATMENT

Period.	Duration of Insanity.			Whole known period of Hospital Residence.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital, ...	. .	. .	. .	. .	. .	. .
Under 1 month, .	1	3	4	2	3	5
From 1 to 3 months,	2	. .	2	2	. .	2
" 3 " 6 "	. .	. .	. .	1	. .	1
" 6 " 12 "	. .	. .	. .	1	1	2
" 1 " 2 years,	3	. .	3	2	. .	2
" 2 " 5 "	3	2	5	1	1	2
" 5 " 10 "	. .	1	1	. .	1	1
" 10 " 15 "	1	. .	1	1	. .	1
" 25 " 30 "	. .	. .	. .	. .	1	1
" 50 " 55 "	. .	1	1	. .	. .	. .
Total, ...	10	7	17	10	7	17
Average of known *cases* (in months),	31.15	117.18	66.57	23.42	62.28	39.42

TABLE No. 20.

AGES OF THOSE WHO DIED.

Ages.	At time of the first attack.			At time of death.		
	Males.	Females.	Total.	Males.	Females.	Total.
From 20 to 25 yrs.,	. .	1	1	. .	. .	. .
" 35 " 40 "	4	3	7	3	2	5
" 40 " 50 "	1	1	2	2	2	4
" 50 " 60 "	3	1	4	1	1	2
" 60 " 70 "	1	. .	1	2	. .	2
" 70 " 80 "	1	1	2	2	. .	2
" 80 " 90 "	. .	. .	. .	. .	2	2
Total, ...	10	7	17	10	7	17

TABLE No. 21.

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS AT THE McLEAN ASYLUM.

FROM ITS OPENING, OCTOBER 6, 1818, TO DECEMBER 31, 1883, INCLUSIVE.

Years.	Admitted.	Discharged.	Whole No. under care.	Died.	Much improved, etc.	Recovered.	Remaining at end of year.	Average No. of Patients.
1818-25	398	344	623	29	205	110	279	..
1826	47	46	101	5	21	20	55	..
1827	58	56	113	5	17	34	57	..
1828	77	65	134	5	37	23	69	..
1829	73	77	142	9	42	26	65	..
1830	82	78	147	10	34	34	69	..
1831	83	84	152	8	46	30	68	..
1832	94	98	162	10	45	43	64	..
1833	103	100	167	8	50	42	67	..
1834	108	95	174	7	47	41	80	..
1835	83	84	163	11	28	45	77	..
1836	106	112	183	10	38	64	71	..
1837	120	105	191	8	25	72	86	80
1838	138	131	224	12	45	74	93	95
1839	132	117	225	10	38	69	108	112
1840	155	138	263	13	50	75	125	128
1841	157	141	283	11	55	75	142	135
1842	129	138	271	15	43	80	133	143
1843	126	126	260	18	45	63	134	131
1844	158	140	292	20	52	68	152	146
1845	119	120	271	13	33	74	151	149
1846	148	126	299	9	52	65	173	164
1847	170	170	343	33	50	87	173	172
1848	143	155	316	23	50	82	155	171
1849	160	137	321	15	58	64	184	177
1850	173	157	357	28	51	78	200	201
1851	164	173	364	29	69	75	191	195
1852	145	135	336	15	48	72	201	200
1853	114	120	315	17	45	58	195	194
1854	120	120	315	16	45	59	195	195
1855	123	126	318	24	46	56	192	192
1856	149	145	341	19	58	68	196	195
1857	141	159	337	28	60	71	178	191
1858	155	147	333	25	50	72	186	187
1859	131	142	317	28	53	61	175	185
1860	121	109	296	24	46	39	187	185
1861	111	110	298	23	33	54	188	193
1862	82	94	270	18	37	39	176	190
1863	94	69	270	13	20	36	201	191
1864	101	107	302	27	38	42	195	200
1865	82	85	277	17	33	35	192	186
1866	103	98	295	29	23	46	197	197
1867	89	108	286	27	36	45	178	186
1868	92	94	270	23	37	34	176	166
1869	108	100	284	18	31	51	184	187
1870	79	85	263	12	40	33	178	187
1871	75	81	253	13	47	21	172	178
1872	93	101	265	23	63	15	164	173
1873	92	95	256	13	63	19	161	165
1874	75	88	236	10	58	20	148	159
1875	85	83	233	16	51	16	150	156
1876	92	74	242	20	36	18	168	160
1877	110	103	278	20	68	15	175	175
1878	63	84	238	12	66	6	154	168
1879	76	79	230	12	48	19	151	157
1880	51	48	202	6	30	12	154	152
1881	66	65	220	14	37	14	155	150
1882	82	70	237	8	36	26	167	156
1883	109	111	276	17	57	37	165	164
	6,713	6,548		961	2,765	2,822		

TABLE No. 22.

TABLE OF APPLICATIONS, ADMISSIONS, ETC., FOR TWENTY YEARS,—1864-1883.

Years.	Applications.	Admissions.		American.		Foreign.		Not admitted.	Discharged, cured, relieved, or improved.		Percentage of same on Admissions.		Died.		Accidents.	Whole number under care in the year.		Number of free patients.	Paying all the time.	Paying part of the time.	Greatest total number at any time.		Least total at any one time.		Average.		Greatest number at any one time of Free or Paying at Hospital.		Average time in weeks Paying and Free at Hospital.		Out-Patients
	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.		Hospital.	Asylum.	Hospital.	Hospital.	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.	Free.	Paying.	Paying.	Free.	Hospital.
1864	1932	1599	101	654	99	945	2	333	1306	80	8.168	79.1	130	27	242	1749	302	1388	350	11	157	208	110	192	138	200	139	33	3.2	4.4	5619
1865	1430	1199	82	571	80	628	2	231	997	68	8.315	82.9	104	17	140	1347	277	687	592	68	164	195	88	181	113	186	137	72	3.7	4.8	5356
1866	1328	1120	103	542	100	587	3	208	909	69	81.17	66.9	96	29	132	1224	295	556	623	45	109	203	78	192	95	197	62	58	3.4	5.1	5608
1867	1419	1206	89	558	88	648	1	213	958	81	79.43	91	94	27	113	1301	286	676	601	24	126	200	72	172	104	186	77	62	3.4	4.3	4553
1868	1474	1265	92	604	92	661	0	209	1015	71	80.03	77.1	85	23	98	1373	218	840	502	31	132	181	69	160	102	166	97	56	3.0	3.5	5264
1869	1633	1390	108	681	108	709	0	243	1123	82	80.03	75.9	107	18	93	1217	284	930	563	24	139	196	90	177	118	187	98	55	3.4	4.3	6953
1870	1706	1302	79	584	76	718	3	404	1083	73	83.20	92.4	85	12	140	1427	342	958	439	30	137	195	98	181	120	187	106	45	3.4	4.8	8767
1871	1781	1427	75	649	75	778	0	354	1143	52	80.09	69.3	109	13	178	1537	253	1056	456	25	154	187	91	167	122	178	126	43	3.1	3 9	9792
1872	1815	1547	93	665	88	882	5	268	1271	52	82.15	55.9	120	23	259	1701	265	1289	396	16	160	179	97	163	135	173	133	42	3.1	4.3	11878
1873	1958	1550	92	640	85	910	7	408	1201	64	77.48	69.5	186	13	291	1700	256	1195	441	64	187	171	129	158	156	165	156	44	3.3	6.0	12517
1874	2153	1639	75	713	68	926	7	514	1342	54	81.88	72	127	10	234	1800	236	1251	394	120	183	167	111	144	149	159	146	41	2.7	5.6	15612
1875	2357	1841	85	799	72	1022	13	516	1412	57	76.70	67	189	16	285	1989	233	1565	336	88	199	165	132	145	166	156	176	31	2.8	5.2	16993
1876	2560	1906	92	900	82	1006	10	654	1621	45	85.04	48.9	150	20	245	2096	242	1696	308	92	210	173	163	148	185	160	182	36	3.2	5.7	17292
1877	2131	1657	110	863	103	794	7	474	1339	57	80.80	51.8	130	20	147	1847	278	1270	339	48	194	184	135	168	164	175	178	33	2.8	5.5	18004
1878	2275	1794	63	946	58	848	5	481	1461	45	81.43	71.4	134	12	200	1950	238	1578	334	38	187	182	132	154	165	168	170	34	2.8	5.2	18744
1879	2310	1813	76	979	63	834	13	497	1462	46	80.63	60.5	143	12	222	1971	230	1577	352	42	188	164	131	150	163	157	165	30	2.8	5.1	18960
1880	2701	2123	51	1117	46	1006	5	578	1731	32	81.53	62.7	151	6	351	2284	202	1864	371	45	188	159	156	146	170	152	165	35	2.5	4.5	20566
1881	2786	2106	66	1074	57	1032	9	680	1853	37	82.19	56	189	14	391	2270	220	1835	419	26	195	161	139	147	166	150	168	39	2.79	4.41	18443
1882	2587	2147	82	1127	73	1020	9	440	1775	47	87.83	57.3	177	8	348	2302	237	1876	399	12	195	166	143	149	168	156	167	35	2.84	4.41	16304
1883	2460	2020	109	1035	93	985	16	440	1664	63	82.33	57.8	181	17	432	2185	276	1633	473	79	189	171	143	151	168	164	168		2.75	4.80	*7102

*Out-Patient Department open only five months.

TABLE No. 23.

TABLE SHOWING THE COST OF PRINCIPAL STORES AT McLEAN ASYLUM.

Articles.	1880.			1881.			1882.			1883.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, ... lbs.,	57,462	$6,625.64	.115	56,835½	$6,467.14	.1137	57,936½	$7,869.37	.1358	67,534	$8,604.15	.1274
Mutton and Lamb, "	19,794½	2,107.14	.106	23,583	2,308.16	.0978	20,340	2,104.57	.1034	23,280	2,406.70	.1033
Veal, ... "	12,288	1,372.34	.111	19,707	1,846.00	.094	13,367	1,445.17	.108	10,401	1,173.42	.1128
Poultry, ... "	23.714½	3,726.80	.157	20,052¾	3,517.55	.175	18,946	3,815.64	.201	11,324	2,422.44	.213
Ham, etc., ...	8,932½	899.85	.1007	10,148½	1,087.55	.107	9,724½	1,234.90	.126	7,970	1,043.39	.13
Eggs, ... doz.,	11,295	2,337.09	.2069	11.523	3,084.19	.269	11,153½	3,143.77	.277	10,758	3,009.04	.279
Lard, ... lbs.,	1,849	159.24	.086	2,093	244.44	.1167	1,041	133.08	.127	1,680	186.75	.111
Flour, ... bbls.,	418	3,290.63	7.886	413	3,219.16	7.794	455	3,767.15	8.279	507	3,690.67	7.279
Butter, ... lbs.,	19,511¼	5,405.80	.277	21,979¾	6,163.79	.2804	20,780	6,276.21	.302	21,612	5,939.32	.274
Coffee, ... "	4,124	1,212.62	.294	3,841	945.95	.246	3,955	944.80	.2388	3,530	862.57	.244
Tea, ... "	1,492½	486.41	.325	1,609	513.58	.319	1,522	501.31	.3294	1,406	460.54	.327
Sugar, ... "	24,330	2,290.05	.094	24,932	2,338.88	.0938	26,489½	2,462.13	.0929	27,672	2,421.10	.874
Lights, Gas, etc., feet,		2,515.78			2,771.42			3,858.49			3,379.25	
Coal, ... tons,	1,158$\frac{1820}{2000}$	5,972.06	5.15	1,099$\frac{350}{2000}$	6,635.44	6.036	1,200$\frac{252}{2000}$	7,284.95	6.07	1,022$\frac{1050}{2000}$	6,303.39	6.164
Wood, ... cords,	25½	219.84	8.75	15	140.70	9.38	14¼	103.31	7.25	8½	55.25	6.50
Ice, ... tons,	462$\frac{1580}{2000}$	2,069.31	4.47	366$\frac{300}{2000}$	849.38	2.33	423$\frac{1000}{2000}$	759.46	1.79	481$\frac{100}{2000}$	841.79	1.75

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS AT THE MASSACHUSETTS GENERAL HOSPITAL, FROM SEPTEMBER 3, 1821, TO DECEMBER 31, 1882.

Year.	Total admitted.	Whole Number treated. Free.	Paying Board all the time.	Paying part of the time.	Paying Board.	Paying Board part of time.	Free.	Discharged well.	Percentage on "Total admitted."	Much relieved, or relieved in part.	Not relieved.	Not treated, unfit dismissed, etc.	Deaths.	Percentage on "Total admitted."	Greatest number free at one time.	Greatest number paying at one time.	Greatest total.	Least total.	Average	Accidents.	Percentage.	Average time of Paying Weeks.	Average time of Free Weeks.	Patients remaining under treatment Dec. 31. Paying.	Free.	Out-Patients treated.
21 to 1843	8727	3733	4482	512	..	..	..	3991	..	2902	913	105	624	..	..	..	123	54	..	..	..	..	..			
1843	365	183	167	15	..	..	..	136	37	115	55	17	41	11	..	..	56	33	47*	..	..	4	6			
1844	435	250	174	11	..	..	..	183	43	137	41	23	47	11	..	30	71	40	53	55	12*	3 6-7	7 1-7			
1845	453	265	176	12	..	..	..	205	45	130	37	28	54	12	44	34	72	37	56	62	14	5 4-7	6 6-7			
1846	459	250	182	27	..	..	..	211	46	137	30	33	36	8	44	28	72	37	55	59	13	3 1-2	4 3-4			
1847	674	354	279	41	..	..	..	340	50	145	54	30	57	8	82	41	123	54	81	74	11	3 1-2	4 1-2	..	..	328
1848	804	460	283	61	..	..	..	400	50	219	52	39	103	13	86	38	124	94	108	103	12*	3 1-7	5	..	..	378
1849	870	543	273	54	..	..	..	436	50	218	75	58	84	9	89	38	127	90	112	97	11	2 4-7	5 5-7	..	..	272
1850	746	427	242	77	..	..	..	363	48	200	56	49	76	10	103	33	136	83	108	98	13	2 6-7	6	..	..	294
1851	839	477	298	64	..	..	..	387	46	235	47	63	98	11	93	48	141	77	112	123	15	3	6	..	..	237
1852	826	472	271	83	.	..		410	50	234	52	47	82	10	105	41	133	104	119	132	16	3 1-4	5	..	..	248
1853	925	505	335	85	..	..	..	431	46	287	70	66	82	9	108	39	142	108	120	159	17	3 1-6	7	..	..	358
1854	922	490	321	111	..	..	..	423	46	257	73	41	115	12	112	45	145	125	133	212	23	4	10	..	..	477
1855	915	416	352	147	..	..	..	456	50	238	59	51	102	11	107	59	152	114	134	157	17 3-10	3 3-7	11 4-7	.	..	645
1856	976	545	335	96	..	..	..	478	49	230	77	71	117	12	114	48	153	120	140	189	19	3	5	..	..	887
1857	920	549	280	91	..	..	..	510	55	195	57	66	130	14	119	40	157	103	128	163	17 7-10	2 2 3	5	..	..	1574
1858	1015	718	251	46	..	..	..	514	50	229	65	50	127	13	120	31	144	91	123	186	18*	4	7*	..	..	2223
1859	1240	934	257	49	287	49	1040	653	53	280	54	94	141	11	145	37	165	92	131	212	17	4	4 2-3	14	140	3523
1860	1240	997	201	42	215	42	1137	698	56	305	73	58	121	9¾	149	33	175	80	128	233	18 7-10	4	6	15	121	4433
1861	1416	1131	253	32	268	32	1252	831	59	318	79	57	99	7	135	37	162	120	140	297	21	4	5 3-4	16	124	4676
1862	1611	1175	425	11	441	11	1299	843	52	431	77	154	101	6¼	133	45	166	102	134	271	16 3-4	2 1-10	4 1-10	25	120	4800
1863	1648	1348	283	17	308	17	1468	856	52	459	96	70	162	9¾	135	29	158	116	137	292	17 7-10	3 4-10	4	24	126	4987
1864	1199	1262	326	11	350	11	1388	916	57	390	84	61	130	8	139	33	157	110	138	242	15 2-10	3.18	4.37	25	123	5619
1865	1199	561	567	68	592	68	687	702	59	295	68	74	104	8¾	137	72	164	88	113	140	11 7-10	3.67	4.85	45	59	5356
1866	1120	497	578	45	693	45	556	677	60	82	50	74	96	8½	62	58	109	78	95	132	11 7-10	3.40	5.10	45	50	5608
1867	1276	626	556	24	601	24	676	676	56	282	62	141	94	7.8	77	62	126	72	104	113	9.36	3.37	4.26	39	69	4553
1868	1265	771	463	31	302	31	840	757	60	258	64	82	85	7	97	56	132	69	102	98	7.74	3.00	3.50	31	96	5264
1869	1390	834	532	24	563	24	930	771	55½	352	78	84	107	7.7	98	55	139	90	118	93	6.69	3.40	4.30	25	100	6953
1870	1302	858	414	30	139	30	958	780	60	303	65	68	85	6.45	106	45	137	98	120	140		3.37	4.82	24	86	8767
1871	1427	970	432	25	456	25	1056	821	57½	322	58	73	109	7.64	126	43	154	91	122	178		3.12	3.92	28	126	9792
1872	1547	1163	368	16	396	16	1289	958	62	313	76	84	120	7.75	133	42	160	97	135	259		3.15	4.35	30	120	11878
1873	1550	1075	411	64	441	64	1195	880	57	321	66	86	186	12	156	44	187	129	156	291		3.28	6.09	35	126	13517
1874	1639	1125	394	120	429	120	1251	946	57½	396	81	102	127	7.69	146	41	183	111	149	234		2.73	5.64	28	120	15612
1875	1841	1445	308	88	336	88	1565	1032	56	380	78	120	189	10.27	176	31	199	132	166	285		2.82	5.18	26	164	16993
1876	1906	1532	282	92	308	92	1696	1019	53½	502	91	144	150	7.86	182	36	210	163	185	245		3 22	5.73	19	171	17292
1877	1657	1270	339	48	358	42	1441	930	56	409	92	130	130	7.68	178	33	194	135	164	147		2.84	5 54	11	145	18004
1878	1794	1433	323	38	344	38	1578	956	50	505	59	138	134	7.46	170	34	187	132	165	200		2.80	5 27	17	141	18744
1879	1813	1436	335	42	352	42	1577	1040	57	422	84	125	143	7.94	165	30	188	131	163	222		2.84	5.16	17	140	18960
1880	2123	1724	354	45	371	45	1864	1186	54	545	74	150	151	7.16	165	35	188	156	170	351		2.58	4 53	17	157	20566
1881	2106	1678	402	26	419	26	1835	1324	62	429	70	103	189	8.96	168	39	195	139	166	391		2.79	4.41	15	140	18443
1882	2147	1736	399	12	414	12	1876	1312	61	463	59	13	177	8 13	167	35	195	143	168	348		2.84	4 41	24	141	16304
1883	2020	1492	449	79	473	79	1633	1286	63	378	61	108	181	8 93	168	49	189	143	168	432		2.75	4 80	32	128	7102*
	60677							22724		15248	3612	3325	5286													277667*

* Out Patient Department open only five months.

Officers of the Institution.

1884.

President.

HENRY B. ROGERS.

Vice-President.

Amos A. Lawrence.

Treasurer.

Franklin Haven, Jr., 28 State Street.

Secretary.

Thomas B. Hall, 75 State Street.

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* Charles V. Bemis, Medford, Mass.
E. Francis Bowditch, Framingham, Mass.
Edmund Dwight, 60 State Street.
William Endicott, Jr., 10 Mt. Vernon Street.
George S. Hale, 39 Court Street.
* Henry P. Kidder, 113 Devonshire Street.
Charles J. Morrill, 11 Arlington Street.
* Thomas E. Proctor, 106 High Street.
Nathaniel Thayer, 21 Sears Building.
* Samuel D. Warren, 67 Mt. Vernon Street.
Roger Wolcott, 8 Pemberton Square.

Board of Consultation.

Henry I. Bowditch, M.D.
Algernon Coolidge, M.D.
D. H. Storer, M.D.
Charles E. Ware, M.D.
Morrill Wyman, M.D.
Samuel Cabot, M.D.

* Appointed by the Governor of the Commonwealth.

OFFICERS OF THE HOSPITAL.

Resident Physician.

JAMES H. WHITTEMORE, M.D.

Visiting Physicians.

GEORGE C. SHATTUCK, M.D.
FRANCIS MINOT, M.D.
SAMUEL L. ABBOT, M.D.
GEORGE G. TARBELL, M.D.
WM. L. RICHARDSON, M.D.
EDWARD N. WHITTIER, M.D.

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CHARLES B. PORTER, M.D.
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HENRY H. A. BEACH, M.D.
JOHN HOMANS, M.D.

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DAVID H. HAYDEN, M.D.
ELBRIDGE G. CUTLER, M.D.
F. GORDON MORRILL, M.D.
FREDERICK C. SHATTUCK, M.D.

Surgeons to Out-Patients.

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MAURICE H. RICHARDSON, M.D.
GEORGE W. WEST, M.D.

Physician to Out-Patients with diseases of the Skin.

JAMES C. WHITE, M.D.

Physician to Out-Patients with diseases of the Nervous System.

JAMES J. PUTNAM, M.D.

Physicians to Out-Patients with diseases of the Throat.

FREDERICK I. KNIGHT, M.D.
S. W. LANGMAID, M.D.

Ophthalmic Surgeon to Out-Patients.

OLIVER F. WADSWORTH, M.D.

Dental Surgeon.

VIRGIL C. POND, D.M.D.

Microscopist, and Curator of the Pathological Cabinet.

REGINALD H. FITZ, M.D.

Chemist.

EDWARD S. WOOD, M.D.

Artist.

HENRY P. QUINCY, M.D.

Medical House Pupils, 1883–84.

HERBERT W. NEWHALL. JOHN T. BOWEN.

Surgical House Pupils, 1883–84.

FRED. M. BRIGGS. WILLIAM M. CONANT.
CHARLES W. GALLOUPE. OSCAR J. PFIEFFER.

Matron.

Miss G. L. STURTEVANT.

Apothecary.

JOHN W. PRATT.

OFFICERS OF THE McLEAN ASYLUM.

Superintendent.

EDWARD COWLES, M.D.

1*st Assistant Physician.*

GEORGE T. TUTTLE, M.D.

2*d Assistant Physician.*

FREDERICK M. TURNBULL, M.D.

Medical House Pupils.

I. P. DANA. J. H. POTTS.

Purveyor.

JOHN P. BRADBURY.

Superintendent of Nurses.

Miss M. F. PALMER.

Clerk.

Miss F. E. GILBERT.

Supervisors.

E. W. BOARDMAN. Miss L. E. WOODWARD.

Apothecary.

D. W. SPENCE.

VISITING COMMITTEE.

January and July.

Messrs. DWIGHT and BOWDITCH.

February and August.

Messrs. ELIOT and THAYER.

March and September.

Messrs. HALE and WARREN.

April and October.

Messrs. BEMIS and PROCTOR.

May and November.

Messrs. KIDDER and WOLCOTT.

June and December.

Messrs. MORRILL and ENDICOTT.

LADIES' VISITING COMMITTEE.

January and February.

Miss E. GRAY. Miss E. GOODWIN.

March.

Mrs. J. F. ANDREW. Miss T. DODGE.

April.

Mrs. ANDREW. Miss M. CURTIS.
Miss DODGE. Miss E. M. ELIOT.

May.

Miss CURTIS. Miss ELIOT.

June and October.

Mrs. S. ELIOT. Miss J. G. BEAL.

November and December.

Mrs. H. W. HAYNES. Miss A. W. MORRILL.

STANDING COMMITTEES.

On admitting Asylum Patients.

Messrs. WARREN and DWIGHT.

On Finance.

Messrs. KIDDER and MORRILL.

On Accounts and Expenditures.

Messrs. WOLCOTT, THAYER, and DWIGHT.

On Buildings and Repairs.

Messrs. DWIGHT, WARREN, and ELIOT.

On Free Beds.

Messrs. BOWDITCH and PROCTOR.

On the General Library and Warren Fund.

Messrs. ELIOT and HALE.

On the Book of Donations.

Dr. BEMIS.

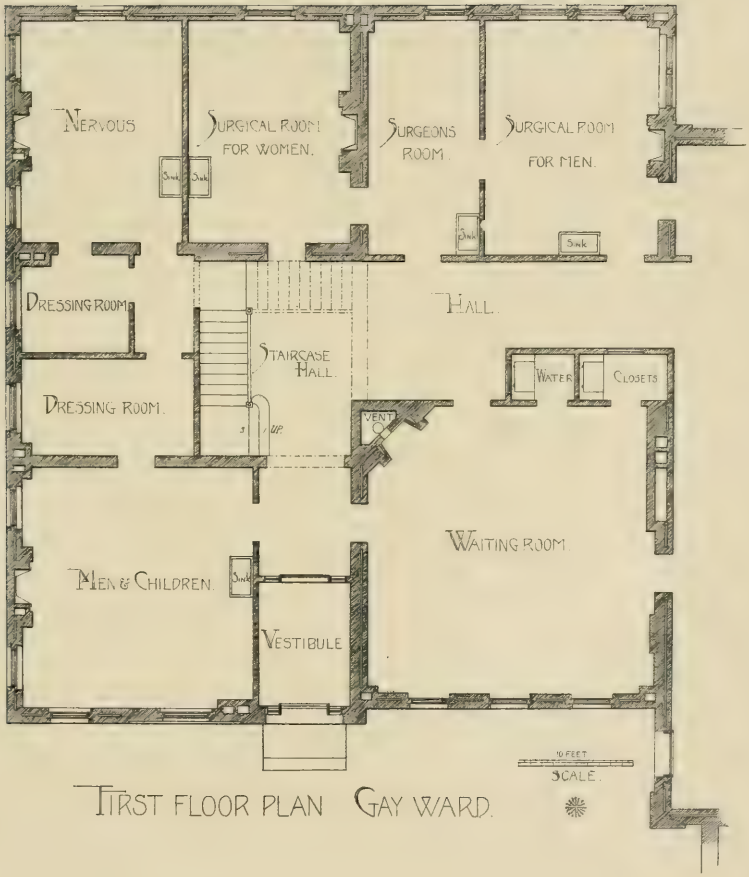
Committee on New Asylum and Grounds.

Messrs. DWIGHT, ELIOT, WARREN, ENDICOTT, and BOWDITCH.

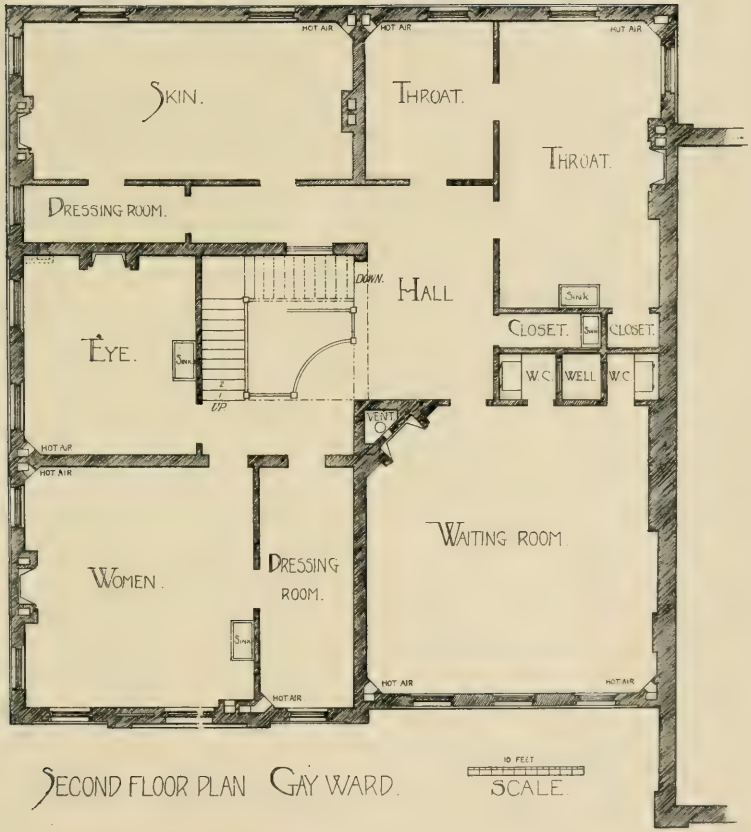


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FIRST FLOOR PLAN GAY WARD.



SECOND FLOOR PLAN GAY WARD.

SEVENTY-FIRST ANNUAL REPORT

OF THE

TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

AND

McLEAN ASYLUM,

1884.

Printed at the Expense of the Bowditch History Fund.

BOSTON:
GEORGE H. ELLIS, PRINTER, 141 FRANKLIN STREET.
1885.

REPORT OF THE TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

For the Year 1884.

THE Committee of the Trustees appointed to prepare the annual report of the Board to the Corporation, to whom the accounts of the Treasurer and the reports of the other Officers have been referred, respectfully submit the

SEVENTY-FIRST ANNUAL REPORT.

Franklin Haven, Jr., Esq. was elected Treasurer at the annual meeting in February, 1884, succeeding David R. Whitney, Esq., who had resigned at the end of the previous year.

In March, two vacancies on the staff to out-patients, action on which had been postponed from the general election at the beginning of the year, were filled by the election of Dr. W. W. Gannett and Dr. F. B. Harrington.

In October, Dr. D. H. Hayden Senior Physician to out-patients, felt compelled by ill health, to resign that office. The Board expressed their sympathy with Dr. Hayden in his illness and their regret for the loss of his long and useful service.

Dr. C. P. Strong had been temporarily appointed in July, to be Physician to out-patients in the absence of Dr. Hayden.

The Board has gratefully acknowledged the receipt during the year, of the following donations and legacies: —

Donation of Mrs. Clara Barton Kimball, to establish the John Bertram Free Bed Fund,	$5,000.00
Bequest of Thomas G. Appleton, for General Fund,	5,000.00
Bequest of Miss Anne E. Gray, for free beds,	5,000.00
Bequest of Samuel W. Swett, for Convalescent Home,	50,000.00
Part of bequest of M. P. Sawyer, being proceeds of sale of land in Chicago, the income to belong to Free Bed Fund,	9,379.48
Donation of Amasa Guild,	40.00
And there have been received in subscriptions for free beds,	10,056.00

Reference is made to the accompanying report of the Treasurer for a statement of the financial condition of the Institution.

The evidences of property held by the Corporation have been examined and found to correspond with the statement of assets in the Treasurer's report.

The drainage of the Hospital has been thoroughly reformed. A vote of thanks was passed by the Board to Mr. Eliot C. Clark, C.E., for "his valuable services given gratuitously" in its superintendence.

The expense for repairs during the year, has been largely increased above the average, by the cost of improved drainage and other extraordinary items. The Board is indebted to the Chairman of the Committee on Repairs for the following memorandum: —

"The expense of repairs at the Hospital, amounting to $18,593.64, is about $11,000 larger than the average for the past five years. It includes three items of extraordinary repairs, costing altogether about $13,000: the laying of a new main drain; the renewal of the foundations of wards A and B and the corridor adjoining; and the repair and painting of the attic of the central building and of wards A, B, 28, 29.

"The sewerage of the Hospital has for some

years, been a source of anxiety and danger. When the Hospital was built, in 1821, the sewage was carried to the shore of Charles River, then lying within one hundred feet of the main building, by a drain of elliptical section large enough to admit a man. As the shore line was gradually carried westerly, the drain was extended in the same direction. As the drain discharged only at low tide, large cess-pools were added. The whole system had the defect of irregular and slow delivery and constant retention. It was designed with the best knowledge of the time, to meet the conditions then existing, but under new conditions and with larger experience, was only to be condemned and replaced. The new intercepting sewer of the city having been carried through Charles Street, gave an outlet for constant and rapid discharge. Mr. Eliot C. Clark was kind enough to give, free of charge, his valuable time and experience for the plans and general superintendence. A new drain of 10-inch glazed pipe was laid and every building in the yard connected with it, except the Operating Theatre and Gay Ward; and the Thayer Building; which are drained respectively, south and north, to street sewers. The work was done promptly and in the best manner and has given perfect satisfaction. The old drains and cess-pools were opened, cleansed and filled up with good material. The total cost was about $6,500.

"Wards A and B were built in 1873 and designed for temporary structures, to be taken down and rebuilt after ten or twelve years' service. They have proved to be more durable than was expected and have retained their original high sanitary condition, owing to the admirable construction and ventilation directed by Mr. Charles H. Dalton, then acting as Trustee. The buildings and connecting corridors

were placed on piles which, between wind and water, gradually decayed. These have been replaced by brick piers based upon the same piles, cut below low-water mark, at a cost of about $2,400.

"The attic of the main building was formerly divided into small sleeping-rooms for domestics, with closets for storage. These have been removed, to the improvement of the fire-risk and the neatness of the house. Wards A, B, 28 and 29 have been painted throughout. This work cost about $4,800.

"The general good condition of the main house after the wear and tear of more than sixty years, shows the excellence of its original design and construction; but some expensive repairs and improvements must be made within the next two or three years, to keep the Hospital in its present high state of efficiency.

"Two towers should be built at the rear of the main building; to which should be transferred all bath-rooms and water-closets now in too close connection with the wards."

The report by the Resident Physician, of the internal administration of the Hospital, is appended. It will be seen that the average number of patients during the year has been 161, of whom the average number of 133 had free beds. Of these patients, 156 were children, treated in the wards, not including those brought for treatment as out-patients. It has often been remarked that the presence of children and adults in the same wards seems to be beneficial to both. The Hospital is always ready to receive children and infants, as well as adults, so far as the number of its beds will permit.

The Service to out-patients in 1883 was a good deal interrupted by the building of the George H. Gay ward, destined for their reception. That building

admirably fulfils the purpose for which it was designed; and has attracted much favorable attention from persons interested in hospital administration. An elevation and two floor plans of the building are attached to this report. The whole number of out-patients in 1884 was 14,824. The report of the Resident Physician gives their classification and other particulars.

The Convalescent Home at Belmont justifies the expectations which were formed of its usefulness. From the report last cited, it appears that it has not been occupied to its full capacity. The statement made in the last annual report, that "it is designed not only for convalescents from our own, but also from other hospitals, private houses and boarding-houses," is renewed.

The Trustees again offer thanks to the Ladies' Visiting Committee; and to the many others interested in the Hospital, who in various ways, have contributed to the comfort and amusement of the patients.

They congratulate the Hospital — as well as the Resident Physician — on his recovered health.

No change in the Staff of Officers at the Asylum has occurred during the year.

The cottage at Lynn found useful last year, was again rented for the summer. Besides the noticeable benefit to convalescing patients who remained there for various periods, it has furnished to many more not sufficiently recovered to be left there, opportunity for a pleasant afternoon's diversion.

The plan of voluntary admission is still on apparently successful trial. For details of the working of that system, as well as for an extended statement of the condition of the Asylum and of the results of the

year's work there, attention is directed to the interesting annual report of the Superintendent, annexed.

Continued attention has been given to the preparation of the grounds for the new Asylum at Belmont. The advantages confidently expected from a removal to better buildings there have been so fully stated in previous reports, that little remains to be said on that point. The Trustees feel sure that it will be a fortunate day for the Asylum when the proposed transfer can be made.

CHARLES V. BEMIS,
THOMAS E. PROCTOR, } *Committee.*

MASSACHUSETTS GENERAL HOSPITAL,
Feb. 4, 1885.

REPORT OF THE TREASURER

OF THE

MASSACHUSETTS GENERAL HOSPITAL.

To the Board of Trustees:

Gentlemen,— In accordance with the Fifth Article of the By-Laws, the report of the accounts of the Massachusetts General Hospital, made up to the last day of December, 1884, is respectfully submitted, to be laid before the Corporation at its annual meeting.

Dr. FRANKLIN HAVEN, JR., *Treasurer, in account with the* MASSACHUSETTS GENERAL HOSPITAL. *Cr.*

Jan. 1, 1884.			
To Balance Cash on hand,	$57,343.15	By Cash paid Insurance,	$179.25
" Railroad Bonds sold,	5,000.00	" " " Annuitants,	2,156.00
" Real Estate sold at Waltham,	1,980.74	" " " Annual Report, 1883,	234.62
" City of Boston Bonds collected,	18,000.00	" " " Improvements at Belmont,	3,696.49
" Notes Receivable,	559,000.00	" " " Gay Building,	5,425.60
" Donations and legacies,	74,419.48	" " " Taxes at Belmont,	651.25
" One-third profits Mass. Hospital Life Ins. Co.,	5,000.00	" " " Expenses Hospital,	123,430.31
" Income from investments,	97,711.45	" " " Expenses Asylum,	139,201.67
" Board of paying patients at Asylum,	136,589.65	" " " Expenses Convalescent Home,	6,473.54
" Board of paying patients at Hospital,	15,456.13	" " " Investments,	690,193.75
" Board of paying patients at Convalescent Home,	123.13	" " " Library,	175.15
" Damages received from Boston & Lowell Railroad,	172.00	" " " Wooden Legs,	225.00
" Subscribers for Free Beds ($900 additional received for this purpose in 1883),	9,156.00	" " " Premiums,	3,171.44
" Subscribers for Free Beds for 1885 in advance,	3,500.00	" " " Balance C. C. Darling's account,	1,025.00
" Edward Cowles, Superintendent, balance in account,	3,546.80	" " " Warren Prizes,	46.63
" J. H. Whittemore, Resident Physician, balance in account,	585.24	" Balance Cash on hand,	11,298.07
	$987,583.77		$987,583.77

MASSACHUSETTS GENERAL HOSPITAL, BOSTON, Dec. 31, 1884.

E. & O. Ex.

F. HAVEN, JR., *Treasurer.*

Total Expense of Hospital Department, . .	$123,430.31	
" " " McLean Asylum, ...	139,201.67	
" " " Convalescent Home, . . .	6,473.54	
	$269,105.52	

These expenses have been met from: —

Amount charged to patients, ...		$152,168.91
Income from various funds applicable, . .		96,048.09
Deficit drawn from General Fund, ...		20,888.52
		$269,105.52
Receipts at McLean Asylum have exceeded the expenses by		$7,106.04
Which amount has been credited to General Fund.		
Expenses at Hospital have exceeded the receipts by	$26,374.15	
And at the Convalescent Home, ...	1,620.41	
	$27,994.56	

Which amounts have been charged to the General Fund.

Making net balance drawn from the General Fund as above, ...	20,888.52
	$27,994.56

TABLE No. 1.

HOSPITAL DEPARTMENT.

Expenses and receipts for the year 1884: —

Expenses at Hospital (see Table 4), ...	$123,430.31	
Receipts.		
Income from Redman Fund (see Table 7), .		$26,168.99
" " Free Bed Funds (see Table 7), .		32,600.23
" " Funds, income unrestricted (see Table 7), ...		2,300.00
" " General Fund (see Table 7), .		10,474.81
" " Free Bed Subscriptions (see Table 8), ...		10,056.00
Amount charged to patients, ...		15,456.13
Deficit from General Fund, ...		26,374.15
		$123,430.31

TABLE No. 2.

McLEAN ASYLUM.

Expenses and receipts for the year 1884: —

Expenses at the Asylum (see Table 5), . . .	$139,201.67	
Receipts.		
Income from Fund for Beneficiaries, ...		$4,255.56
" " Fund for Female Beneficiaries, .		4,887.50
" " Amusement Fund, ...		575.00
Amount charged to patients, ...		136,589.65
		$146,307.71
Balance of Receipts over Expenses credited to General Fund, ...		7,106.04

TABLE No. 3.

CONVALESCENT HOME.

Expenses and receipts for the year 1884: —

Expenses at Convalescent Home (see Table 6),	$6,473.54	
Receipts.		
Income from Convalescent Home Fund, . .		$4,730.00
Amount charged to patients, ...		123.13
Deficit from General Fund, ...		1,620.41
		$6,473.54

TABLE No. 4.

Expenses of the Hospital Department: —

For Stores, ...	$40,574.09
Gas and Oil, ...	2,443.31
Water, ...	1,812.00
Wages, ...	27,451.64
Medicine, ...	2,981.36
Furniture, ...	8,013.40
Surgical Instruments, ...	1,264.53
Stationery, ...	714.80
Wines and Liquors, ...	3,114.03
Salaries, ...	5,915.00
One-half General Expenses, ...	1,334.62
Fuel, ...	8,240.27
Contingencies, ...	951.62
Repairs, ...	18,591.64
Telephone, ...	28.00
	$123,430.31

These expenditures have been for account of: —

1,667 Free Patients for 6,916 weeks, ...	$101,954.31	
429 Paying Patients for 1,456 weeks. . . .	21,476.00	
		$123,430.31
The average number of patients was, in 1883,	166	
The average number of patients has been, in 1884, ...	161	
The average cost per week was, in 1883, 8,632 weeks, ...	$12.63	
The average cost per week in 1884 has been, 8,378 weeks, ...	14.75	
The total expenses were, in 1883, ...	109,054.98	
The total expenses have been, in 1884, . . .	123,430.31	
The amount paid for account of free patients has been, ...		$101,954.31

The amount received for them has been: —

From Free Bed Funds, ...	$32,600.23	
From 89 Subscribers for this object (see Table 8), ...	10,056.00	
		42,656.23
		$59,298.08

The deficiency has been drawn in part from the income of the various funds applicable to the purpose, and the remainder from the General Fund.

TABLE No. 5.

EXPENSES OF THE ASYLUM DEPARTMENT.

For Stores, ...	$41,705.25
Laundry, ...	8,888.87
Fuel, ...	7,910.20
Stationery, ...	456.21
Medicines and Liquors, ...	2,646.34
Contingencies, ...	1,910.81
Furniture, ...	9,316.18
Repairs, ...	11,285.53
Diversions, ...	1,270.54
Water and Ice, ...	3,013.52
Lights, ...	3,461.92
Wages, ...	31,302.41
Amount carried forward, ...	$123,167.78

Amount brought forward,	$123,167.78	
Salaries,	7,190.00	
One-half General Expenses,	1,334.62	
Library,	400.00	
Stables,	4,278.51	
Garden,	2,968.22	
Lynn Cottage,	1,683.83	
		$141,022.96
Less Cr. Clothing, $250.26; Farm, $1,571.03,		1,821.29
		$139,201.67

These expenditures have been for account of:—

Patients paying cost and more,		$37,638.35
Patients paying less than cost,		101,563.32
The average number of patients was, in 1883,	164	
The average number of patients has been, 1884,	166	
The average cost per week was, in 1883,	$16.16	
The average cost per week has been, 1884,	16.00	
The total expenses were, in 1883,		137,801.56
The total expenses have been, 1884,		139,201.75
The amount expended at the Asylum for patients who have paid less than cost has been,		$101,563.40
The amount received has been:—		
From patients, 6,347 5-7 weeks' board at less than cost,	$52,878.62	
From income of Funds for Beneficiaries,	4,255.57	
Income of Funds for Female Beneficiaries,	4,887.50	
Income of Amusement Fund,	575.00	
		62,596.69
		$38,966.71

The deficiency has been drawn in part from patients paying more than cost, and the remainder from funds applicable to the purpose.

TABLE No. 6.

EXPENSES OF THE CONVALESCENT HOME.

For Stores,	$3,177.34
Gas and Oil,	45.44
Medicine,	12.00
Furniture,	99.19
Wages,	1,921.66
Fuel,	750.71
Amount carried forward,	$6,006.34

Amount brought forward,	$6,006.34
Surgical Instruments,	1.40
Ice,	106.43
Wines, Spirits, and Malt Liquors,	15.50
Repairs,	122.58
Contingencies,	221.29
	$6,473.54

Whole number of patients admitted during the year, males,	120	
Whole number of patients admitted during the year, females,	129	
		249
Whole number discharged during the year,		238
Remaining, Jan. 1, 1885, males,	8	
Remaining, Jan. 1, 1885, females,	8	
		16

TABLE No. 7.

INCOME FROM INVESTMENTS.

From Annuities Receivable,	$6,400.00
City of Boston Bonds,	675.00
Mass. Hospital Life Ins. Co. Stock,	4,000.00
Railroad Bonds,	26,236.40
Manufacturing Stocks,	1,560.00
Bank Stocks,	5,545.56
Real Estate, Productive,	25,102.82
Notes Receivable,	23,646.53
Union League Club Bonds,	450.00
Interest,	1,863.94
Delaware Mutual Ins. Co.'s Scrip, Interest,	31.20
Railroad Stocks,	2,200.00
	$97,711.45

Which has been distributed as follows: —

To G. H. Gay Fund,		$282.42
Redman Fund,		26,168.99
Warren Prize Fund,		172.50
Bowditch History Fund,		115.00
Wooden Leg Fund,		287.50
Redman Annuities,		936.00
Clara Barton Annuity,		186.35
Surgical Instrument Fund,		77.64
Amusement Fund,		575.00
Free Bed Funds, for use,	$32,600.23	
Free Bed Funds, for Joy Annuitants,	700.00	33,300.23
Amount carried forward,		$62,101.63

Amount brought forward,	$62,101,63
Beneficiaries at Asylum Funds,	4,255.56
Warren Library Fund,	57.50
Treadwell Library Fund,	287.50
One-half Lincoln Fund,— Female Beneficiaries,	4,887.50
Funds with Income Unrestricted,	2,300.00
General Fund,	10,474.81
Convalescent Home Fund,	4,730.00
Asylum Building Fund,	8,616.95
	$97,711.45

The Income for 1882 was	$82,698.22
The Income for 1883 was	92,609.14
The Income for 1884 has been	97,711.45

TABLE No. 8.

SUBSCRIBERS TO FREE BEDS FOR 1884.

Theodore Lyman,	$100	*Brought forward*,	$4,100
Mrs. C. H. Dalton,	100	Boston Gaslight Co.,	100
Fitchburg Railroad Co.,	100	Mrs. Susan O. Brooks,	100
Otis E. Weld,	100	F. H. Peabody,	100
Cambridge Railroad Co.,	100	C. W. Amory,	100
Boston & Maine R.R. Co.,	100	Mrs. P. C. Brooks,	100
T. Jefferson Coolidge,	100	George A. Gardner,	100
Boston & Providence R.R. Co.,	100	Samuel Eliot,	100
William Amory,	100	W. W. Tucker,	100
S. D. Warren,	100	R. C. Greenleaf,	100
Henry P. Kidder,	200	Samuel Johnson,	100
Miss Anne Wigglesworth,	200	William Endicott, Jr.,	100
George Higginson,	100	Henry Woods,	100
Nathaniel Thayer,	200	George W. Wales,	100
Miss C. A. Brewer,	100	C. E. Ware,	100
C. J. Morrill,	100	J. L. Gardner, Jr.,	100
Mass. Humane Society,	400	W. Powell Mason,	100
Sarah S. Fay,	200	J. T. Coolidge, Jr.,	100
H. H. Fay,	100	J. Huntington Wolcott,	100
F. Gordon Dexter,	100	J. M. Sears,	100
H. B. Rogers,	100	Miss A. W. Davis,	100
Eunice Hooper,	100	Amory A. Lawrence,	100
R. W. Hooper,	100	Mrs. Ozias Goodwin,	100
Mrs. E. B. Bowditch,	200	Miss Eliza Goodwin,	100
G. S. Curtis,	100	H. S. Shaw,	100
Shepherd Brooks,	100	F. R. Sears,	100
Mrs. Charlotte A. Johnson,	100	George D. Howe,	100
P. C. Brooks, Jr.,	100	Charles Merriam,	100
Miss Madeline C. Mixter, / Miss Helen K. Mixter,	100	Mrs. Caroline Merriam,	100
		S. R. Payson,	100
		J. L. Little,	100
Henry Saltonstall,	100	George Dexter,	300
Mrs. James Lawrence,	100	J. L. Bremer,	100
J. B. Glover,	100	Martin Brimmer,	100
Mrs. Anna C. Lodge,	100	J. P. Bradlee,	100
Carried forward,	$4,100	*Carried forward*,	$7,700

Brought forward, . . .	$7,700	*Brought forward*, . . .	$9,000
J. P. Squire & Co., . . .	100	Hoosac Tunnel Dock and Elevator Co., ...	100
W. D. Pickman, ...	100	John Foster, ...	100
W. O. Grover, ...	100	Bayard Thayer, ...	100
Ida M. Mason, ...	100	J. E. Thayer, ...	100
Jos. S. Fay, ...	100	E. N. R. Thayer, ...	100
R. C. Winthrop, Jr., . .	100	Old Colony R.R. Co., . .	100
Mrs. G. H. Shaw, . . .	100	Boston & Lowell R.R. Co.,	300
A. L. Rotch, ...	100	Charles Faulkner, . . .	100
D. R. Whitney, ...	100	American Bell Telephone Co., ...	56
Sidney Bartlett, ...	100		
Charles P. Curtis, . . .	100		
Mrs. J. G. Cushing, . . .	100		
Mrs. L. M. Case, ...	100		$10,056
Carried forward, . . .	$9,000		

Total Free Bed Subscriptions (88) in 1883, ...	$10,600
Total Free Bed Subscriptions (89) in 1884, ...	10,056

TABLE No. 9.

LIBRARY ACCOUNT.

Paid for Books, ...	$175.15
Income Treadwell Library Fund, ...	287.50
The surplus is credited to the Fund, ...	$112.35

TABLE No. 10.

WOODEN LEG ACCOUNT.

The amount received for this purpose has been the Income of Wooden Leg Fund, ...	$287.50
The amount expended for Artificial Limbs, ...	225.00
The surplus is credited to the Fund, ...	$62.50

TABLE No. 11.

THE BOWDITCH HISTORY FUND.

Balance, Dec. 31, 1883 : —		
Principal, ...	$2,000.00	
Income, ...	1,653.55	
		$3,653.55
Amount of Income received, ...	$115.00	
Amount of Income expended, ...	234.62	
		119.62
		$3,533.93
Balance, Dec. 31, 1884 : —		
Principal, ...	$2,000.00	
Income, ...	1,533.93	
		$3,533.93

TABLE No. 12.

GENERAL FUND.

Balance, Dec. 31, 1883,	$1,119,828.30	
Add one-third profits Mass. Hospital Life Ins. Co.,	5,000.00	
Add donations and legacies,	5,040.00	
Add cost of Gay Building, charged to G. H. Gay Fund,	21,225.83	
Add damages received from Boston & Lowell R.R. for fire at Somerville,	172.00	
		$1,151,266.13
Less amount restored to Perm. Free Bed Fund, to correct wrong credits, 1875–77,	$2,000.00	
Balance C. C. Darling's account,	1,058.70	
Balance Waltham Land account,	371.58	
Balance Insurance Account,	179.25	
Balance of premiums paid for Stocks and Bonds,	3,171.44	
Balance of Expenses over Income,	20,888.52	
		27,669.49
Balance, Dec. 31, 1884,		$1,123,596.64

TABLE No. 13.

RESTRICTED FUNDS.

Income devoted to Free Beds: —

The Joy Fund, being a bequest from Miss Nabby Joy,	$20,000.00
Belknap Fund, being a bequest from Jeremiah Belknap,	10,000.00
Wm. Phillips Fund, being a bequest from Wm. Phillips,	5,000.00
Williams Fund, being a bequest from John D. Williams, of estate No. 17 Blackstone Street,	19,600.00
Bromfield Fund, being half of a bequest from John Bromfield,	20,000.00
Miss Townsend Fund, being a donation from the Executors of the will of Miss Mary P. Townsend,	11,486.50
Brimmer Fund, being a bequest from Miss Mary Ann Brimmer,	5,000.00
Wilder Fund, being a bequest from Charles W. Wilder,	12,000.00
Amount carried forward,	$103,086.50

Amount brought forward, ...	$103,086.50
The Sever Fund, being a bequest from Miss Martha Sever, ...	500.00
Thompson Fund, being a bequest from S. B. Thompson, ...	500.00
Tucker Fund, being a bequest from Miss Margaret Tucker, ...	3,312.37
Davis Fund, being a bequest from Mrs. Eleanor Davis, ...	900.00
Loring Fund, being a bequest from Abigail Loring, ...	5,000.00
Nichols Fund, being a bequest from B. R. Nichols, ...	6,000.00
Gray Fund, being a donation from John C. Gray, ...	1,000.00
Dowse Fund, being a bequest from Thomas Dowse, ...	5,000.00
Todd Fund, being a bequest from Henry Todd, ...	5,000.00
J. Phillips Fund, being a bequest from Jonathan Phillips, ...	10,000.00
Greene Fund, being a bequest from Benj. D. Greene, ...	5,000.00
Percival Fund, being a bequest from John Percival, ...	950.00
Pickens Fund, being a bequest from John Pickens, ...	1,676.75
Treadwell Fund, being part of a bequest from J. G. Treadwell, ...	38,703.91
Raymond Fund, being a bequest from E. A. Raymond, ...	2,820.00
Harris Fund, being part of a bequest from Charles Harris, ...	1,000.00
Mason Fund, being a bequest from Wm. P. Mason, ...	9,400.00
Sawyer Fund, being part of a bequest from M. P. Sawyer, ...	7,000.00
J. L. Gardner Fund, being a donation from J. L. Gardner, ...	20,000.00
B. T. Reed Fund, being a donation from Benj. T. Reed, ...	1,000.00
Wm. Reed Fund, being a bequest from Wm. Reed, ...	5,233.92
McGregor Fund, being half of a donation and bequest from James McGregor, .	7,500.00
Miss Rice Fund, being a bequest from Miss Arabella Rice, ...	5,000.00
Amount carried forward, ...	$245,583.45

Amount brought forward, ...	$245,583.45
The Templeton Fund, being half of a bequest from John Templeton, ...	5,000.00
Mrs. J. H. Rogers Fund, being a donation from J. H. Rogers, ...	1,177.50
Beebe Fund, being a bequest from J. M. Beebe, ...	50,000.00
Lincoln Fund, being half of a bequest from Mrs. F. W. Lincoln, ...	85,000.00
Blanchard Fund, being a bequest from Mrs. M. B. Blanchard, ...	4,000.00
George Gardner Fund, being a donation from George Gardner, ...	1,000.00
Hemenway Fund, being a donation from the Executors of the will of Augustus Hemenway, ...	20,000.00
Jessup Fund, being part of a bequest from Dr. Chas. A. Jessup, ...	1,000.00
Tufts Fund, being a bequest from Quincy Tufts, ...	10,000.00
Read Fund, being half of a bequest from Jas. Read, ...	1,000.00
Parker Fund, being a bequest from Jno. Parker, Jr., ...	10,000.00
Miss Shaw Fund, being a donation and bequest from Miss M. Louisa Shaw, .	5,500.00
Eliza Perkins Fund, being a donation from Mrs. H. B. Rogers, ...	1,000.00
Dwight Fund, being a donation from Mrs. T. Bradford Dwight, ...	1,000.00
Hunnewell Fund, being a donation from H. H. Hunnewell, ...	10,000.00
R. M. Mason Fund, being a bequest from R. M. Mason, ...	5,000.00
Anna Lowell Cabot Fund, being a donation from Dr. Samuel Cabot, . . .	1,000.00
Welles Fund, being a donation from Miss Jane Welles, ...	5,000.00
Black Fund, being a bequest from Miss Marianna Black, ...	2,000.00
Eben Wright Fund, being an assignment of legacies by the children of T. Jefferson Coolidge, ...	14,000.00
Paraclete Holmes Fund, being a donation from W. S. Adams, ...	2,000.00
Estabrooks Fund, being a bequest from J. W. Estabrooks, ...	1,000.00
Amount carried forward, ...	$481,260.95

Amount brought forward, ...	$481,260.95	
The Thayer Fund, being a bequest from Nathaniel Thayer, ...	30,000.00	
Sawyer Fund, being part of a bequest from M. P. Sawyer, ...	30,122.68	
Ann E. Gray Fund, being a bequest from Miss Ann E. Gray, ...	5,000.00	
John Bertram Fund, being a donation from Mrs. Clara Barton Kimball, .	5,000.00	
		$551,383.63

Income devoted to beneficiaries at Asylum: —

The Bromfield Fund, being half of a bequest from John Bromfield, ...	$20,000.00	
Read Fund, being half of a bequest from Jas. Read, ...	1,000.00	
Appleton Fund, $10,010 being a bequest from Samuel Appleton, $20,000 being a donation from Wm. Appleton, . .	30,010.00	
McGregor Fund, being half of a donation and bequest from James McGregor, .	7,500.00	
Austin Fund, being part of a bequest from Mrs. Agnes Austin, ...	5,000.00	
Kittredge Fund, being a bequest from Rufus Kittredge, ...	5,500.00	
Templeton Fund, being half of a bequest from John Templeton, ...	5,000.00	
		74,010.00
		$625,393.63

Income devoted to Female Beneficiaries at Asylum: —

The Lincoln Fund, being half of a bequest from Mrs. F. W. Lincoln, ...	85,000.00

Income unrestricted: —

The Waldo Fund, being a bequest from Daniel Waldo, ...	40,000.00

Income devoted to any purpose except buildings: —

The Redman Fund, being a bequest from John Redman, ...	455,113.34
Amount carried forward, ...	$1,205,506.97

Amount brought forward, ...	$1,205,506.97
Income devoted to a Triennial Prize: —	
The Warren Prize Fund, being a bequest from Dr. J. M. Warren, ...	2,299.61
Income devoted to the Library: —	
The Treadwell Library Fund, being part of a bequest from J. G. Treadwell, . . .	5,000.00
Income devoted to Books for Patients: —	
The Warren Library Fund, being a donation from Dr. J. C. Warren, ...	1,000.00
Income and Principal devoted to the publication of a History of the Hospital: —	
The Bowditch History Fund, being a bequest from N. I. Bowditch, ...	2,000.00
Income devoted to Amusements at the Asylum: —	
The Amusement Fund, $5,000 being a bequest from Miss Mary Louisa Shaw, $5,000 being a donation from Mrs. Quincy A. Shaw and other Ladies, ...	10,000.00
Income devoted to Special Surgical Instruments: —	
The Surgical Instrument Fund being a donation from Dr. H. J. Bigelow, $1,250; donation of Mr. R. M. Moore, $100, .	1,350.00
The Wooden Leg Fund: —	
Being a bequest from N. I. Bowditch, . . .	5,000.00
The Convalescent Home Fund, .	132,260.66
Amount carried forward, ...	$1,364,417.24

Amount brought forward, ...		$1,364,417.24
Permanent Free Beds: —		
Miss Marian Hovey, ...	$1,000.00	
Mrs. Fanny H. Morse, ...	1,000.00	
Henry S. Hovey, ...	1,000.00	
Edward Woodman, ...	1,000.00	
Children of Mrs. Henry Windsor, ...	1,000.00	
		5,000.00
Redman Annuities, ...		15,600.00
Clara Barton Annuity, ...		3,241.00
Asylum Building Fund, ...		158,477.10
G. H. Gay Fund, ...		5,194.09
Add unused income at credit of		
Warren Prize Fund, ...	$422.52	
Warren Library Fund, ...	467.12	
Bowditch History Fund, ...	1,533.93	
Surgical Instrument Fund, ...	1,242.33	
Wooden Leg Fund, ...	824.69	
Treadwell Library Fund, ...	220.20	
Clara Barton Annuity, ...	118.44	
		4,829.23
Total of Restricted Funds, ...		$1,556,758.66

Dr. TRIAL BALANCE, DEC. 31, 1884. *Cr.*

Land and Buildings for Asylum,	$320,794.75	
Land and Buildings for Hospital,	520,008.53	
Land and Improvements at Belmont,	64,999.73	
Annuities Receivable,	160,000.00	
Insurance Stock,	50,000.00	
Reversions (see "Suspense" on Cr. side),	10.00	
Delaware Mutual Insurance Company's Scrip,	885.00	
Union League Club Bonds,	9,000.00	
Manufacturing Stocks,	41,400.00	
Bank Stocks,	74,500.00	
Railroad Stocks,	25,000.00	
Railroad Bonds,	485,818.75	
Notes Receivable,	456,600.00	
City of Boston Loan,	4,000.00	
Real Estate Productive,	407,366.64	
Gay Building,	21,225.83	
Edward Cowles, Superintendent,	33,006.48	
J. H. Whittemore, Resident Physician,	4,151.91	
Cash,	11,298.07	
	$2,690,065.69	

Redman Fund,	$455,113.34	
Warren Prize Fund,	3,000.00	$422.52
Bowditch History Fund,	2,000.00	1,533.93
Wooden Leg Fund,	5,000.00	824.69
Clara Barton Annuity,	3,241.00	118.44
Surgical Instrument Fund,	1,350.00	1,242.33
Amusement Fund,	10,000.00	
Free Bed Fund,	551,383.63	
Warren Library Fund,	1,000.00	467.12
Beneficiaries at Asylum Fund,	74,010.00	
Treadwell Library Fund,	5,000.00	229.29
Lincoln Fund,	85,000.00	
Funds with Income Unrestricted,	40,000.00	
Permanent Free Beds,	7,000.00	
Suspense (see "Reversions" on Dr. side),	10.00	
Notes Payable,	3,500.00	
Asylum Building Fund,	158,477.10	
General Fund,	1,123,596.64	
G. H. Gay Fund,	5,194.09	
Convalescent Fund,	132,260.66	
Subscribers to Free Beds, 1885,	3,500.00	
Redman Annuities,	15,600.00	
	$2,685,236.46	$4,829.23
	4,829.23	
	$2,690,065.69	

Property on hand belonging to the Corporation invested as follows: —

INVESTMENTS PRODUCING NO INCOME.

Asylum: Land and Buildings occupied for Asylum,	$320,794.75	
Superintendent's balance,	33,006.48	
		$353,801.23
Hospital: Land and Buildings occupied for Hospital,	$520,008.53	
Resident Physician's balance,	4,151.91	
Gay Building,	21,225.83	
		545,386.27
Convalescent Home: Land and Buildings occupied for Convalescent Home,		64,999.73
Memorandum of expectancies,		10.00
		$964,197.23

INVESTMENTS PRODUCING INCOME.

Policies Mass. Hospital Life Ins. Co.,	$160,000.00
500 shares Mass. Hospital Life Ins. Co.,	50,000.00
$4,000 City of Boston Bonds,	4,000.00
$50,000 Eastern Railroad Co.'s Bonds,	43,700.00
$1,000 Kansas City & Cameron Railroad Bond,	1,000.00
$5,000 Boston & Albany Railroad 7 per cent. Bonds,	5,000.00
$100,000 Chicago, Bur. & Quincy R.R. 7 per cent. Bonds,	100,000.00
$22,000 Chicago, Bur. & Quincy R.R. 5 per cent. Bonds,	20,900.00
$9,000 Union League Club Bonds,	9,000.00
$100,000 Atch., Topeka & Santa Fé R.R. 7 per cent. Bonds,	100,000.00
$100,000 Atch., Top. & Santa Fé R.R. 4 1-2 per cent. Bonds,	100,000.00
$50,000 Bur. & Mo. River in Neb. R.R., Non-ex. 6 per cent. Bonds,	50,000.00
$10,000 Bur. & Mo. River in Neb., Exempt 6 per cent. Bonds,	10,000.00
$10,000 Atchison Land Grant 7 per cent. Bonds,	10,000.00
$10,000 Kansas City, Topeka & Western R.R. 1st Mortgage 7 per cent. Bonds,	10,000.00
$1,000 Cedar Rapids & Mo. River R.R. 7 per cent. Bond,	1,000.00
$5,000 Bur., Cedar Rapids & Northern R.R. 5 per cent. Bonds,	4,375.00
$5,000 Ft. Scott, So. Eastern & Mem. R.R. 7 per cent. Bonds,	5,000.00
$25,000 Ore. Ry. & Nav. Co. Debenture 7 per cent. Bonds,	24,843.75
100 Shares Old Colony Railroad Co.,	10,000.00
150 " Boston & Albany Railroad Co.,	15,000.00
14 " Merrimack Manufacturing Co.,	14,000.00
Amount carried forward,	$747,818.75

	Amount brought forward,	$747,818.75
1	Share Appleton Manufacturing Co.,	1,000.00
9	Shares Amory " "	900.00
9	" Amoskeag " "	9,000.00
25	" Great Falls " "	2,500.00
5	" Boston " "	5,000.00
9	" Stark Mills,	9,000.00
100	" National Union Bank,	10,000.00
70	" Tremont National Bank,	7,000.00
50	" Old Boston " "	2,500.00
100	" Suffolk " "	10,000.00
50	" State " "	5,000.00
100	" Columbian " "	10,000.00
100	" Merchants' " "	10,000.00
50	" New England National Bank,	5,000.00
40	Massachusetts " "	10,000.00
50	Eagle " "	5,000.00
	Land and Store, 17 Blackstone Street,	19,600.00
	" " " 168 Washington Street,	45,000.00
	" " House, 61 Dartmouth Street,	10,000.00
	Redman Mansion Estate, Washington Street,	106,000.00
	Land and Houses on Warrenton Street,	17,700.00
	" " Store, 496 Washington Street,	55,500.00
	" " Houses on Chambers Street,	23,900.00
	" " " " Cross Street,	12,691.64
	" " House on Harrison Avenue,	9,975.00
	Union Block, Union and Marshall Streets,	66,875.00
	Robertson House, Hanover Street,	40,125.00
	Notes secured by Mortgage,	206,600.00
	$20,000 Notes Phila., Wilmington & Baltimore R.R. Co.,	20,000.00
	Notes Receivable, Personal and Collateral Securities,	230,000.00
	Delaware Mutual Ins. Co. Scrip,	885.00
	Cash deposited in bank at interest,	11,298.07
	Investments producing income,	$1,725,868.46
	Investments producing no income,	964,197.23
	Total, foot of Trial Balance,	$2,690,065.69

F. HAVEN, JR., *Treasurer.*

TABLE OF THE EXPENSES OF THE HOSPITAL AND ASYLUM FOR TWENTY-THREE YEARS,— 1862 TO 1884.

ORDINARY EXPENSES.

Year.	Cost of Paying Patients.	Cost of Free Patients.	Other Charities.	Total Expenses of		Average cost per week per patient.		Cost over Board.	
	Hospital.	Hospital.	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.
1862	$6,628.65	$35,072.01	$414.15	$42,114.81	$71,823.46	$6.04	$7.27	$36,260.92	$6,640.81
1863	6,151.27	40,575.14	695.30	47,421.71	69,300.63	6.66	6.98	41,109.46	2,170.56
1864	10,224.81	49,286.53	648.21	60,159.55	101,484.38	8.38	9.76	52,445.01	4,523.85
1865	23,119.62	34,131.83	717.35	57,968.80	120,885.84	9.86	12.49	43,121.53	9,507.86
1866	30,086.08	37,538.12	1,162.60	68,786.80	126,015.83	13.88	12.30	53,809.36	558.19
1867	26,086.67	33,758.02	1,164.53	61,009.22	133,844.14	11.28	13.84	44,291.54	
1868	23,663.50	42,481.71	1,419.26	67,564.47	142,535.36	12.74	16.51	52,893.02	14,642.07
1869	20,128.86	40,736.44	1,373.30	62,238.60	138,132.02	10.14	14.21	48,811.90	
1870	15,844.35	46,087.42	883.05	62,814.82	134,339.63	10.05	13.83	50,811.01	
1871	15,266.51	47,126.12	1,133.74	63,526.37	146,191.23	9.96	15.80	52,447.68	9,996.88
1872	12,664.70	56,537.74	1,497.86	70,700.30	153,327.60	10.10	16.93	59,547.91	14,917.57
1873	16,681.66	69,109.97	2,135.29	87,926.92	165,023.79	10.29	19.23	72,435.94	26,404.27
1874	14,198.41	64,266.27	2,634.60	81,099.28	161,934.11	10.13	19.59	67,548.81	2,750.66
1875	10,677.72	71,447.23	1,761.59	83,886.54	165,660.47	9.72	21.07	71,989.93	11,872.47
1876	11,344.58	82,033.60	1,312.94	94,691.12	164,973.80	9.41	19.72	82,027.86	13,019.51
1877	10,833.10	72,678.63	279.16	83,790.89	143,148.94	9.47	15.66	72,957.79	
1878	11,252.42	85,102.61	588.98	96,944.01	136,394.36	9.87	15.55	83,516.61	
1879	11,564.44	77,216.88	514.25	89,295.57	117,250.02	10.54	14.30	73,440.58	
1880	10,529.35	81,085.73	462.82	92,077.90	131,172.69	10.39	16.48	79,280.61	10,078.33
1881	13,462.12	88,241.17	450.51	102,153.80	134,561.14	11.87	16.92	88,268.68	20,719.30
1882	12,947.98	95,642.45	8,928.82*	117,519.25	138,518.26	12.43	17.02	95,684.95	18,172.21
1883	18,389.28	90,665.70	6,575.92*	115,630.90	139,711.39	12.63	16.16	91,213.57	5,376.89
1884	21,476.00	101,954.31	68,73.69*	130,304.00	139,201.67	14.75	16.00	107,974.18	2,612.02
23 years.								$1,521,888.85	$173,961.45

* Including Convalescent Home.

Annual Report of the Resident Physician

of the

MASSACHUSETTS GENERAL HOSPITAL

For the Year 1884.

Number of Patients in the Hospital, January 1, 1885.

Paying,	19
Free,	148
Total,	167

Admitted from January 1, 1884, to January 1, 1885.

	Males.	*Females.*	*Total.*
Patients paying board,	244	138	382
Patients paying board part of the time,	24	23	47
Patients entirely free,	998	669	1,667
	1,266	830	2,096

	Medical.	*Surgical.*
Males (Boys, 115),	392	874
Females (Girls, 41),	411	419
	803	1,293

Of these, 2 paid $50 per week; 31 paid $35; 27 paid $21; 1 paid $17.50; 2 paid $15; 108 paid $14; 10 paid $10.50; 6 paid $10; 201 paid $7; 4 paid $6; 21 paid $5; 2 paid $4; 2 paid $3.50; 9 paid $3; 1 paid $2.50; 2 paid $1.50.

Whole number of patients treated during the year: paying, 448; paying a part of the time, 47; free, 1,815; total, 2,310.

Discharged during the Year.

	Medical.	*Surgical.*	*Male.*	*Female.*	*Total.*
Well,	420	898	828	490	1,318
Much relieved,	96	94	108	82	190
Relieved,	84	93	91	86	177
Not relieved,	47	21	32	36	68
Not treated,	38	99	71	66	137
Dead,	88	103	132	59	191
Insane and eloped,	1	7	7	1	8
	774	1,315	1,269	820	2,089

Number of Patients remaining December 31, 1884.

Males,	105
Females,	62
Total,	167
Paying,	19
Free,	148
Total,	167
Medical,	49
Surgical,	118
Total,	167

Proportion of deaths to whole number of results, 9.14 per cent.

Number of patients received on account of accidents, 397.

The greatest number of paying patients at any one time was 40; in private rooms, 8; the greatest number of free patients, 159; the greatest total, 186. The least number of paying patients at any one time was 14; in private rooms, 1; the least free, 106; the least total, 129. The proportion of ward beds occupied by free patients was 84 per cent.; by paying patients, 16 per cent. About 14.2 of the paying patients occupied private rooms. The average number of patients was 161: males, 97; females, 64.

The average number of paying patients was 28: Americans, 20; foreigners, 8.

The average number in private rooms was 4.5.

The average number of free patients was 133: Americans, 63; foreigners, 70.

The average time of paying patients was 3 weeks; and that of free patients, 4.14.

Residences.

Boston,	1,011
Massachusetts (excepting Boston),	936
Maine,	19
New Hampshire and Vermont,	41
Rhode Island and Connecticut,	12
Other States,	48
British Provinces,	29
	2,096

Birthplaces.

Boston,	159
Massachusetts (excepting Boston),	501
Maine,	116
New Hampshire,	99
Vermont,	37
Rhode Island and Connecticut,	28
New York,	32
Southern and Western States,	71
Total Americans,	1,043
British Provinces,	238
Great Britain,	121
Ireland,	542
Germany,	48
Norway and Sweden,	33
France,	5
Italy,	9
Switzerland,	4
Other places,	53
Total foreigners,	1,053

Occupations.

Males.	*Paying.*	*Free.*	*Partial.*
Mechanics,	51	261	3
Laborers,	22	399	8
Farmers,	21	34	2
Minors,	13	78	1
Seamen,	16	30	5
Carried forward,	123	802	19

Males.	*Paying.*	*Free.*	*Partial.*
Brought forward,	123	802	19
Clerks,	25	58	1
Teamsters,	8	27	2
Traders,	10	14	1
Servants,	3	34	
Lawyers,	4	3	
Clergymen,	3	1	
Physicians,	2	4	
Merchants,	21	4	
Students,	5	7	
Other professions,	40	44	1
	244	998	24

Total males, 1,266. Of these, 44 were in private rooms.

Females.	*Paying.*	*Free.*	*Partial.*
Domestics,	20	268	5
Minors,	21	75	2
Wives,	62	182	10
Widows,	9	26	2
Seamstresses,	7	47	
Spinsters,	10	7	2
Operatives,	1	18	2
Teachers,	1	5	
Clerks,	3	5	
Nurses,	1	20	
Others,	3	16	
	138	669	23

Total females, 830. Of these, 9 were in private rooms.

Sixteen per cent. of the free patients were female domestics; twenty-four per cent. were laborers; sixteen per cent. were mechanics; and nine per cent. were minors.

Admissions Refused.

Phthisis (Consumption),	44
Syphilis,	15
Chronic Ulcers,	13
Scrofula and Abscesses,	6
Insanity and Delirium Tremens,	15
Hip and Spine,	37
Debility and Senility,	9
Carried forward,	139

Brought forward,	139
Chronic Rheumatism,	7
Paralysis,	26
Epilepsy,	10
Cancer,	10
Uterine,	8
Injuries,	12
Of Skin,	10
Contagious,	11
Other diseases,	165
Total,	398

Males,	215
Females,	148
Americans,	215
Foreigners,	148
Residents of Boston,	59
Residents of Massachusetts,	141
Residents of other places,	163

Out-Patients.

Number of new patients,	14,824
Men,	6,550
Women,	5,946
Children,	2,328
Americans,	7,659
Foreigners,	7,165
Residents of Boston,	8,778
Of other places,	6,086
Medical department for women,	5,276
Medical department for men and children,	3,494
Surgical department,	15,815
Ophthalmic department,	1,962
Department for diseases of the skin,	3,798
Department for diseases of the nervous system,	2,992
Department for diseases of the throat,	2,900
Total attendance,	36,237

Average daily attendance, 114.

Of the surgical cases there were: —

Fracture,	378
Dislocations,	30
Sprains,	369
Diseases of joints,	339
Talipes,	26
Carried forward,	1,142

Brought forward,	1,142
Wounds and contusions,	771
Abscesses,	325
Felons,	75
Ulcers,	203
Diseases of rectum,	68
Genito-urinary,	494
Syphilis,	135
Hernia,	91
Tumors, malignant,	107
Tumors, benignant,	263
Spinal diseases,	62
Necrosis,	49
Amputation,	12
Burns,	27
Scrofulous glands,	69
Referred,	360
No diseases,	154
Miscellaneous,	778
Total,	5,185

Number of applicants,	13,827
Number admitted,	13,044
Number refused,	783
Number visited,	1,186
Number found deserving of charity,	800
Number found undeserving of charity,	386

Convalescent Home:—

Admitted to the Home in 1882,	101
Admitted to the Home in 1883,	187

	Males.	*Females.*	*Total.*
Remaining January 1, 1884,	3	4	7
Admitted,	120	129	249
Total,	123	133	256
Discharged,	115	125	240
Remaining Jan. 1, 1885,	8	8	16

The G. H. Gay Ward for the Out-Patient Department of the Hospital was opened for the reception of patients on the 1st of January, 1884. During the time this department had been closed, the building had been enlarged from a small, one-story building to

one of two stories, sixty feet square, and gives ample accommodations for the present needs of the Hospital. The first floor comprises the entrance hall, which opens from the centre of the eastern front, is ten feet in width, and extends to the centre of the building where it joins a hall of similar dimension at a right angle, which is continuous with the hall from the Operating Theatre. On the right of the entrance hall is a waiting-room, 25 ft. x 25 ft. On the left of the entrance are the rooms for men and children: one, 20 ft. x 21 ft.; another, 8 ft., 8 in. x 15 ft. On the same side are the rooms for nervous diseases: one, 8 ft. x 9 ft.; the other, 19 ft. x 14 ft. On the same floor are the three surgical rooms: Surgeons' Room, 9 ft., 9 in. x 20 ft; Women's Surgery, 14 ft. x 19 ft.; Men's Surgery, 15 ft. x 20 ft. The second floor is reached by an easy flight of stairs, in a large well 13 ft. square, extending from the first floor to the roof, covered by a large skylight, in which are Emerson ventilators. There is a large waiting-room directly over the one on the first floor and of the same size, 25 ft. x 25 ft. At the right of this are the women's rooms: one, 9 ft. x 15 ft.; the other, 20 ft. x 21 ft. Adjoining are the rooms for diseases of the eye, 15 ft. x 17 ft. The next rooms on this floor are for skin diseases, and consist of one room 5 ft. x 14 ft. and one 13 ft., 6 in. x 28 ft., 8 in. The rooms for diseases of the throat come next, and are: one, 13 ft., 6 in. x 11 ft., 6 in.; another, 13 ft., 8 in. x 24 ft. There is a closet on this floor for students' coats, etc., 3 ft., 3 in. x 8 ft., 9 in. Opening out of each of the two waiting-rooms are two water-closets, in a shaft 4 ft., 2 in. x 9 ft. This shaft extends from the first floor to the roof, and is covered by a skylight and has Emerson ventilators in it. The floors of the closets are tiles.

The closets are the straight hopper, connected with the soil pipe by an S trap, and are flushed by the automatic flush tank. All traps are ventilated to prevent syphoning. The soil pipes are all suspended from the cellar beams and extend exposed up the shaft, through the roof, in full view. The floors through the building are Southern pine in narrow strips, except the closets mentioned and the front vestibule, which has a brick tile floor.

The building is heated by steam indirectly radiated from coils suspended from the beams in the basement. Each flue on each floor has its independent coil, and an independent supply of fresh air directly from out-of-doors. The large rooms of every department have an open fire-place, used thus far only for ventilation. In addition, for ventilating purposes, there is a large central chimney, with a central iron smoke-stack, which is kept hot by a coal fire in the base of the chimney. Near the ceiling in every room is a large opening into a tin flue, which is connected with this chimney. Over the doors are glazed transoms, which lower and allow the air to pass into the central hall. Windows open from the hall near the ceiling into the water-closet shaft. Frequent examinations show that there is always a decided upward current in all of these ventilating shafts; and the general good air, even in warm, damp days, illustrates their efficiency. Each room has a wardrobe closet for the physicians and surgeons. Every room is lighted with gas, and has soap-stone sink, with hot and cold water. Every precaution was taken with the soil pipes from these, to trap and ventilate in the most thorough manner.

The rooms in most departments are larger than the actual need of the patients requires; but attention was given to the wishes of the physicians and sur-

geons, many of them being professors and instructors in the Harvard Medical College, and the needs of the medical students of the College, who receive certain clinical instruction in this department. Many of the departments have two rooms. The design of this was to prevent the annoyance and exposure of patients who are compelled to disrobe more or less during examinations. The furnishing of the building has been plain and substantial, the endeavor being made to have everything convenient for doing the work in the most satisfactory manner. The building has been in use for one year, and its practical working has been most satisfactory.

The Jackson and Warren Wards, built as temporary structures in 1873, have been thoroughly repaired during the past year. New and permanent foundations have been put in, in place of the temporary ones at first built. The walls have been thoroughly painted, and present a more attractive and permanent appearance than ever before.

All the corridors connecting the newer wards and Operating Theatre with the older part of the Hospital have been thoroughly repaired and painted both inside and out.

The Male Surgical Wards 28 and 29 in the older Hospital have also been thoroughly repaired by having the ceiling taken down, a new one put up, the paint from the walls and wood work removed by potash and then repainted in brighter and more cheerful colors. The floors were washed in strong potash, scraped, and oiled. A part of the corridors at the entrance have been repainted and repaired.

The drainage of the Hospital has not been quite satisfactory for some time. When the intercepting sewer of the new system of sewerage adopted by the city of Boston was built through North Charles

Street, the hospital sewer was opened and found in a bad condition. The Trustees then decided to remove the main drain from beneath the building of the Hospital and build a new one with connecting branches, as needed, outside the buildings.

The work was done from plans suggested by Mr. Eliot C. Clark, C.E. Mr. G. A. Crafts, C.E., acting under instructions from Mr. Clark, made the surveys and superintended the work.

A ten-inch drain pipe was laid from Charles Street to the eastern end of the Hospital, just north of the buildings, and with branches to connect with each series of soil pipes in the Hospital. Man holes were built nearly every hundred feet, for inspection, etc. A six-inch iron pipe passes from the main drain near the terminal end to a ventilating flue in the kitchen chimney. Another four-inch iron pipe connects the drain of the kitchen and laundry with the same flue. A six-inch branch from the main drain to the boiler-house terminates by a four-inch pipe in the smoke-flue of the boiler-house chimney. Both of these chimneys are eighty feet in height, and are far above and away from other parts of the Hospital. The draft in these pipes is very strong at all times. All the soil pipes within the house extend through the roof. All traps are ventilated to prevent syphoning. All closets, sinks, hoppers, and bath-tubs connect with soil pipes by S or D traps. The soil pipes are suspended to the beams in the basement, are fully exposed, and have clean-outs at every angle. They are trapped outside the walls, and have fresh-air pipes. Careful attention was given to have the work done well, and up to the present sanitary ideas. The old sewer was cut off some thirty feet outside of the buildings, stopped with brick cement and concrete. It was then opened under the build-

ings, and carefully and solidly filled with fresh earth, in which was a liberal supply of chloride of lime and sulphate of iron. The new system has been in operation two months, and seems to be quite complete.

We are much indebted to the many friends who have remembered us during the year.

The Cambridge Flower Mission continues its useful work, begun quite a number of years since, and does not confine its work to flowers alone, but furnishes a variety of entertainment for the patients, such as singing on Sundays, reading in every ward nearly every week, and Christmas gifts to all the patients on Christmas Day. Our Thanksgiving dinner for the patients was given by one of our lady friends, who has done the same for many years. Another of the charitable ladies of the city presented our Patients' Library with one hundred and fifty bound volumes of valuable and entertaining books. The Newspaper Society has supplied us daily with newspapers, etc., collected from the various railroad stations.

The Young Men's Christian Union gave us sixty-four rides, taking out two hundred and sixty-four patients.

I am again personally indebted to Dr. J. B. Swift for his willingness to assume my duties during nine months of the year, while I was unable to attend to them. I desire to express my gratitude to him, and to all the resident officers, nurses, and employés for their personal kindness and devotion to the Hospital during my enforced absence.

Respectfully submitted,

JAMES H. WHITTEMORE,
Resident Physician.

Boston, Jan. 1, 1885.

TABLE SHOWING THE COST OF THE PRINCIPAL STORES AT THE MASSACHUSETTS GENERAL HOSPITAL.

Articles.	1877.			1878.			1879.			1880.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, Sirloin, lbs.	9,100	$1,927.38	.2118	7,729	$1,610.72	.2084	8,375	$1,716.87	.205	8,815	$1,692.99	.1941
" for Soup, "	560	23.80	.0425	132	5.28	.04						
" Corned, "	5,889	479.54	.0816	4,378	324.72	.07415	123	288.61	.07	4,952	346.64	.07
" Round, "	9,327	805.85	.0864	11,944	1,016.43	.0851	12,973	1,054.70	.0813	16,414	1,148.98	.07
" Rump, "	6,882	1,163.05	.169	4,158	635.34	.1528						
" Roasting, "	11,584	1,274.24	.11	14,998	1,349.82	.09	14,141	1,341.98	.0949	16,439	1,643.90	.10
Mutton, . . "	18,416	2,509.04	.13624	15,808	1,903.28	.1204	12,592	1,385.12	.11	15,522	1,876.60	.1208
Poultry, . . "	13,509	2,475.65	.184	14,079	2,276.57	.1617	14,488	2,433.98	.168	13,682	2,123.44	.1552
Butter, . . . "	10,056	2,644.72	.263	10,156	2,500.40	.2462	10,526	2,589.39	.246	11,011	3,366.06	.3057
Eggs, . . doz.	4,608	967.68	.21	5,495	967.12	.176	4,392	843.26	.192	4,214	866.39	.2056
Flour, . . bbls.	40	362.48	9.062	42	323.82	7.71	37	266.80	7.40	51	440.15	8.65
Bread, . . lbs.	34,343	1,717.15	.05	35,800	1,790.00	.05	36,556	1,827.80	.05	40,536	2,026.80	.05
Ice, . . . tons.	180½	627.54	3.48	238⅓	808.25	3.333	271¾	714.70	2.63	280¼	1,297.56	4.63
Sugar, . . lbs.	10,592	982.88	.0928	12,979	1,023.65	.0781	15,462	1,189.32	.769	21,005	2,003.87	.0954
Tea, . . . lbs.	593	222.96	.376	738	254.61	.345	848	337.82	.398	1,134½	471.95	.416
Milk, . . . qts.	97,594	4,879.70	.05	107,618	5,380.90	.05	96,186	4,934.34	.0513	89,904½	4,495.22½	.05
Potatoes, . bush.	909	915.36	1.007	973	964.61	.77	942	1,010.76	1.073	1,039½	902.58	.868

Articles.	1881.			1882.			1883.			1884.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, Sirloin, lbs.	8,658	$1,792.20	.207	7,856	$1,931.95	.245	8,793	$1,975.38	.224	8,845½	$2,183.64	.246
" for Soup, "												
" Corned, "	5,183	367.99	.07	6,522	673.76	.103	6,925½	670.88	.095	6,487	583.08	.09
" Round, "	19,477	1,636.06	.084	19,705	1,976.68	.103	22,327	2,120.83	.095	25,821	2,531.60	.098
" Rump, "												
" Roasting, "	16,438	1,758.86	.107	16,221	2,159.07	.133	16,962	2,047.78	.120	16,438	2,003.44	.121
Mutton, . . "	21,093	2,720.99	.129	16,365	2,216.01	.135	21.075	2,999.89	.142	15,186½	2,102.29	.138
Poultry, . . "	13,562	2,278.41	.168	12,082	2,348.41	.195	10,263	2,318.56	.225	12,798	2,523.79	.197
Butter, . . . "	11,129	3,505.63	.315	16,843	3,770.97	.221	10,468	3,329.97	.317	11,321	3,636.60	.32
Eggs, . . doz.	4,401	1,188.27	.26	5,234	1,470.59	.281	5,479	1,491.60	.272	8,374	2,182.67	.26
Flour, . . bbls.	49	468.73	9.565	49	459.25	9.937	52	406.00	7.80	53	383.25	7.23
Bread, . . lbs.	4,892	1,744.60	.05	35,340	1,943.70	.055	34,971	1,923.42	.055	36,245	1,992.48	.054
Ice, . . . tons.	305	887.55	2.91	352¾	737.72	2.209	380.⅒	679.27	1.78	40,755	773.20	1.89
Sugar, . . lbs.	20,552	1,901.06	.09	22,192	2,021.57	.091	20.980	1,801.38	.086	22,474	1,563.49	.069
Tea, . . . lbs.	555	244.22	.44	1,114	446.85	.401	1,074	432.60	.402	1,080	435.85	.403
Milk, . . . qts.	92,350	4,617.50	.05	95,358	5,007.70	.052	106,032	5,637.78	.053	111,068½	5,907.26	.053
Potatoes, . bush.	981	1,101.66	1.125	1,005	1,374.72	1.368	1,062½	1,129.15	1.063	1,195	1,005.25	.917

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS AT THE MASSACHUSETTS GENERAL HOSPITAL, FROM SEPTEMBER 3, 1821, TO DECEMBER 31, 1884.

Year.	Total admitted.	Whole number treated.			Discharged well.	Percentage on "Total admitted."	Much relieved, or relieved in part.	Not relieved.	Not treated, unfit, dismissed, etc.	Deaths.	Percentage on "Total admitted."	Greatest number free at one time.	Greatest number paying at one time.	Greatest total.	Least total.	Average.	Accidents.	Percentage.	Average time of paying weeks.	Average time of free weeks.	Patients remaining under treatment Dec. 31.		Out-patients treated.			
		Free.	Paying board all the time.	Paying part of the time.	Paying board.	Paying board part of time.	Free.															Paying.	Free.			
21 to 1813	8727	3733	4482	512				3991		2902	913	105	624				123	54								
1843	365	183	167	15				136	37	115	55	17	41	11		...	56	33	47*			4	6			
1844	435	250	174	11				183	43	137	41	23	47	11		30	71	40	53	55	12*	3 6-7	7 1-7			
1845	453	265	176	12				205	45	130	37	28	54	12	44	34	72	37	56	62	14	5 4-7	6 6-7			
1846	459	250	182	27				211	46	137	30	33	36	8	44	28	72	37	55	59	13	3 1-2	4 3-4			
1847	674	354	279	41				340	50	145	54	30	57	8	82	41	123	54	81	74	11	3 1-2	4 1-2			328
1848	804	460	283	61				400	50	219	52	39	103	13	86	38	124	94	108	103	12*	3 1-7	5			378
1849	870	543	273	54				436	50	218	75	58	84	9	89	38	127	90	112	97	11	2 4-7	5 5-7			272
1850	746	427	242	77				363	48	200	56	49	76	10	103	33	136	83	108	98	13	2 6-7	6			294
1851	839	477	298	64				387	46	235	47	63	98	11	93	48	141	77	112	123	15	3	6			237
1852	826	472	271	83				410	50	234	52	47	82	10	105	41	133	104	119	132	16	3 1-4	5			248
1853	925	505	335	85				431	46	287	70	66	82	9	108	39	142	108	120	159	17	3 1-6	7			358
1854	922	490	321	111				423	46	257	73	41	115	12	112	45	145	125	133	212	23	4	10			477
1855	915	416	352	147				456	50	238	59	51	102	11	107	59	152	114	134	157	17 3-10	3 3-7	11 4-7			645
1856	976	545	335	96				478	49	230	77	71	117	12	114	48	153	120	140	189	19	3	5			887
1857	920	549	280	91				510	55	195	57	66	130	14	119	40	157	103	128	163	17 7-10	2 2-3	5			1574
1858	1015	718	251	46				514	50	229	65	50	127	13	120	31	144	91	123	186	18*	4	7*			2223
1859	1240	934	257	49	287	49	1040	653	53	280	54	94	141	11	145	37	165	92	131	212	17	4	4 2-3	14	140	3523
1860	1240	997	201	42	215	42	1137	698	56	305	73	58	121	9¾	149	33	175	80	128	233	18 7-10	4	6	15	121	4433
1861	1416	1131	253	32	268	32	1252	831	59	318	79	57	99	7	135	37	162	120	140	297	21	4	5 3-4	16	124	4676
1862	1611	1175	425	11	441	11	1299	843	52	431	77	154	101	6½	133	45	166	102	134	271	16 3-4	2 1-10	4 1-10	25	120	4800
1863	1648	1348	283	17	308	17	1468	856	52	459	96	70	162	9¾	135	29	158	116	137	292	17 7-10	3 4-10	4	24	126	4987
1864	1199	1262	326	11	350	11	1388	916	57	390	84	61	130	8	139	33	157	110	138	242	15 2-10	3.18	4.37	25	123	5619
1865	1199	564	567	68	592	68	687	702	59	295	68	74	104	8½	137	72	164	88	113	140	11 7-10	3.67	4.85	45	59	5356
1866	1120	497	578	45	693	45	556	677	60	82	50	74	96	8½	62	58	109	78	95	132	11 7-10	3.40	5.10	45	50	5608
1867	1206	626	556	24	601	24	676	676	56	282	62	141	94	7.8	77	62	126	72	104	113	9.36	3.37	4.26	39	69	4553
1868	1265	771	463	31	302	31	840	757	60	258	64	82	85	7	97	56	132	69	102	98	7.74	3.00	3.50	31	96	5264
1869	1390	834	532	24	563	24	930	771	55½	352	78	84	107	7.7	98	55	139	90	118	93	6.69	3.40	4.30	25	100	6953
1870	1302	858	414	30	439	30	958	780	60	303	65	68	85	6.45	106	45	137	98	120	140		3.37	4.82	24	86	8767
1871	1427	970	432	25	456	25	1056	821	57½	322	58	73	109	7.64	126	43	154	91	122	178		3.12	3.92	28	126	9792
1872	1547	1163	368	16	396	16	1289	958	62	313	76	84	120	7.75	133	42	160	97	135	259		3.15	4.35	30	120	11878
1873	1550	1075	411	64	441	64	1195	880	57	321	66	86	186	12	156	44	187	129	156	291		3.28	6.09	35	126	13517
1874	1639	1125	394	120	429	120	1251	946	57⅓	396	81	102	127	7.69	146	41	183	111	149	234		2.73	5.64	28	120	15612
1875	1841	1445	308	88	336	88	1565	1032	56	380	78	120	189	10.27	176	31	199	132	166	285		2.82	5.18	26	164	16993
1876	1906	1532	282	92	308	92	1696	1019	53⅓	502	91	144	150	7.86	182	36	210	163	185	245		3.22	5.73	19	171	17292
1877	1657	1270	339	48	358	42	1441	930	50	409	92	130	130	7.68	178	33	194	135	164	147		2.84	5.54	11	145	18004
1878	1794	1433	323	38	334	38	1578	956	50	505	59	138	134	7.46	170	34	187	132	165	200		2.80	5.27	17	141	18744
1879	1813	1436	335	42	352	42	1577	1040	57	422	84	125	143	7.94	165	30	188	131	163	222		2.84	5.16	17	140	18960
1880	2123	1724	354	45	371	45	1864	1186	54	545	74	150	151	7.16	165	35	188	156	170	351		2.58	4.53	17	157	20566
1881	2106	1678	402	26	419	26	1835	1324	62	429	70	103	189	8.96	168	39	195	139	166	391		2.79	4.41	15	140	18443
1882	2147	1736	399	12	414	12	1876	1312	61	463	59	13	177	8.13	167	35	195	143	168	348		2.84	4.41	24	141	16304
1883	2020	1492	449	79	473	79	1633	1286	63	378	61	108	181	8.93	168	49	189	143	168	432		2.75	4.80	32	128	7102*
1884	2096	1667	382	47	448	47	1815	1318	62	367	68	137	191	9.11	159	40	186	129	165	397		3	4.14	19	148	14824
	62773							24042		15615	3680	3462	5477													292491

*Out-Patient Department open only five months.

Massachusetts General Hospital.

The Massachusetts General Hospital is a private, not a public institution.

Applications for admission of patients must be made at the Hospital on Blossom Street, Boston, on week days, between the hours of 9 and 11 A.M. and 2 and 3 P.M.

Recent accidents admitted at all hours.

Out Patients received between 9 and 10 A.M., week days only.

Applications from a distance must be made in writing, accompanied by a full description of the case by the attending physician, and, when a Free Bed is desired, by a statement of the pecuniary condition of the patient, and wait for a reply before sending the patient.

Contagious and chronic diseases are not admitted.

Regular charges to paying patients are as follows: in the Jackson Ward (private), $50 per week; in small room in the Townsend and Bigelow Wards, $25 per week; in the General Wards, $10 per week. These rates, covering only expenses of board and lodging, may be increased or abated in individual cases by the Resident Physician.

JAMES H. WHITTEMORE, M.D.,
Resident Physician.

April 5, 1885.

THE AMBULANCE

OF THE

MASSACHUSETTS GENERAL HOSPITAL,

Accompanied by a medical officer, will be despatched to any point within the city proper for the conveyance of cases of *accident* or *urgent sudden sickness, not contagious*, to this Hospital, or elsewhere, upon notice from a physician, the police, or other responsible source, subject to the approval of the undersigned.

In cases requiring gratuitous treatment, no charge will be made.

By order of the Board of Trustees.

JAMES H. WHITTEMORE,
Resident Physician,
Mass. Gen. Hospital, Blossom St.

SIXTY-SEVENTH ANNUAL REPORT

OF THE

SUPERINTENDENT OF THE McLEAN ASYLUM FOR THE INSANE,

TO THE

TRUSTEES OF THE MASS. GENERAL HOSPITAL,

For the Year 1884.

TO THE TRUSTEES OF THE MASSACHUSETTS GENERAL HOSPITAL:

Gentlemen, — The following report, with tabular statements relating to the number and condition of the patients treated in the Asylum during the year 1884, is respectfully presented: —

TABLE No. 1.

GENERAL STATISTICS OF THE YEAR.

	Males.	Females.	Total.
Patients in the Asylum, Jan. 1, 1884,	70	95	165
Admissions within the year,	55	58	113
Whole number of *cases* within the year,	125	153	278
Discharged within the year,	46	57	103
Namely,— as Recovered,	10	24	34
Much improved,	3	10	13
Improved,	7	3	10
Unimproved,	18	11	29
Deaths,	8	9	17
Patients remaining Dec. 31, 1884, supported as private patients,	79	96	175
Number of different *persons* within the year,	123	149	272
" " " " admitted,	53	56	109
" " " " recovered,	10	24	34
Daily average number of patients,	74.90	91.41	166.31

During the year, two men were twice admitted, one of whom was discharged after the first admission and is now in the Asylum, being a voluntary patient on both occasions: the other man was discharged not improved, and, afterward being committed, is now in the Asylum. One woman was discharged much improved and readmitted as a voluntary patient three times. One woman was discharged not improved and recommitted. Thus there were two hundred and seventy-eight cases treated, representing two hundred and seventy-two persons.

Of the one hundred and nine persons admitted, seventy persons were regarded as recent cases and thirty-nine as chronic, or as incurable.

Seventy-five persons, forty men and thirty-five women, had never been in any hospital. Of the remaining thirty-four persons, eighteen, seven men and eleven women, were admitted for the second time; ten, four men and six women, for the third time; two, one man and one woman, for the fourth time; one woman for the fifth time; one woman for the eighth time; one woman three times, being the fourteenth, fifteenth, and sixteenth admissions respectively; and one man for the eighteenth time.

Fifty-three cases, representing forty-nine persons, twenty-five men and twenty-four women, were admitted as voluntary patients upon their written applications. Two men and one woman were not insane. The men, cases of alcoholism, were discharged recovered and improved respectively; and the woman is still in the Asylum. Of the remaining forty-six persons, thirty, twelve men and eighteen women, were cases of melancholia; eight, five men and three women, of mania and delusional insanity; five, three men and two women, of dementia; and three men of general paralysis. Of these voluntary cases, seven,

five men and two women, were committed while still resident at the Asylum. One woman was admitted three times, as before stated, and two men twice. Of the seven persons committed while still resident, five were committed within four days, and one in four months after admission, because the cases were found to be unsuitable for the voluntary relation; and one man in two months, because of his request for discharge. Eight of the fifty-three voluntary cases, five men and three women, were discharged recovered; nine, five men and four women, improved or much improved; four, three men and one woman, not improved; and four, two men and two women, died.

There are remaining in the Asylum under the voluntary relation twenty-four persons, nine men and fifteen women. Thirteen of these voluntary patients had formerly been inmates of the Asylum.

The number of persons admitted as voluntary patients under the present law is as follows: namely, 1881, 1; 1882, 11; 1883, 33; 1884, 49.

The whole number of persons admitted during the past five years is as follows: namely, 1879, 74; 1880, 51; 1881, 63; 1882, 82; 1883, 107; 1884, 109.

In 1884 there were four more admissions, eight less discharges, and two more cases under treatment than during the year 1883; and the number present was ten more at the end than at the beginning of the year.

Of the one hundred and one persons discharged, including deaths, fourteen were transferred to other hospitals, six men and five women to those in this State, and three men to the States of Maine, Rhode Island, and Connecticut respectively.

Of the thirty-four persons discharged recovered, twenty-seven had never before been inmates of any

hospital; and, of the remaining seven persons, all had been in this Asylum. These seven persons had previously made twenty-nine recoveries, one of which was at another hospital.

The average duration of illness from the beginning of attack of all cases recorded was 10.52 months, and the average duration of their hospital residence was 7.22 months.

The percentage of recoveries on admissions was 30.09. There were three less recoveries than in the previous year. There were seventeen deaths, the same number as last year.

The nearly equal results of the last two years' work in relation to the numbers admitted and treated indicate that the limit of the capacity of the Asylum has been reached. In fact, it has been quite full during all the past year; and a larger number than usual of applicants for admission has been turned away for want of room.

The small proportion of recoveries of the voluntary cases admitted, eight in fifty-two cases, indicates the more serious character of the attacks of mental disturbance; and the fact that one-half of all these cases are remaining at the end of the year sustains that inference, and indicates also a satisfactory maintenance of the voluntary relation on the part of the patients. It should be noted also that at least one-third of the voluntary cases were of the chronic class when admitted.

The number of recoveries that will probably be furnished by the remaining twenty-seven voluntary cases will make the total of their recoveries equal to one-third of the whole number of cases. In other words, of every three of these cases, one was chronic on admission, one will recover, and the result for the third is doubtful. Thus, judging from the year's ex-

perience, the results afforded by this class of cases will not be much better than by our committed cases. In regard to the presence of voluntary cases in the Asylum, it can be said that its effect is increasingly good in many ways.

An incident occurred during the year, in relation to the discharge of a patient from the custody of the Asylum, worthy of notice as illustrating the satisfactory working, in one particular, of the present lunacy laws. A maiden lady, with no immediate family relatives, but with adequate means of support bequeathed by her father, was committed to the Asylum by the judge of a Police Court. The patient was partially demented and very troublesome, but not "dangerous to herself or others"; had become more excitable and difficult to manage, and required the restraints of a hospital or the care of judicious friends. The Probate Court, not long before, had appointed a guardian, on whose application the commitment was made, with the approval of some of her relatives. Action was taken by other interested relatives to vacate the guardianship by an appeal to the Supreme Court; and they also, at the same time, made a demand upon the Asylum for the person of the patient, on the ground that the authority of the guardian was thus annulled. Had there been no guardian, the Asylum might have been subject to greater embarrassment, in view of the conflicting claims of relatives. In this case, the guardian believed it to be for the best interests of his ward that she should remain in the care of the Asylum. Under the former order of things, the traditional desire of the Asylum, in its own obvious interest, to be free at once of such a patient, would have utterly failed of public recognition at least, and the Asylum would have been called into court and put into the attitude

of defending itself for having the patient in its care at all; and if, as it is possible one-half of our patients might be, it should appear that the patient *could* be taken care of elsewhere, and was not "dangerous," the medical question of insanity and its treatment would have been lost sight of, the patient released, and the Asylum and all concerned publicly scandalized for doing a plain duty which it is performing every day.

On this occasion, it was only necessary to say, as usual, to the contesting parties that the Asylum would be glad to deliver the patient, at any time, to any authorized person, and that, she being here under the order of a Court, an order from like authority, discharging her from confinement, would be acceptable. This was granted by a Probate Court with the assent of all parties, including the Trustees of the Asylum, upon a hearing, it appearing to the Court that she would be sufficiently provided for by her guardian; and, with much satisfaction on the part of the Asylum, it was relieved from a situation which would formerly have subjected it to much unjust blame, to the detriment also of the general relation of hospitals to the public, which should be one of mutual confidence.

On the first of November, Miss L. E. Woodward, for many years a supervisor here, was promoted to the office of superintendent of nurses and matron, having previously spent some time in the Boston City Hospital Training School for Nurses. Miss M. F. Palmer had previously resigned the office. Miss M. E. Gordon, a graduate of the Training School above mentioned, having had experience here and in charge of our seashore cottage during the last summer, was appointed to the office of supervisor.

In former reports, the intention of establishing here a Training School for Nurses has been men-

tioned. My purpose to do this was formed before taking charge of the Asylum in 1879; and, during the subsequent five years, it was not only kept in view, but the way has been prepared for accomplishing that purpose. The conditions here being unlike those of a general hospital, there seemed to be special difficulties in the way of organizing a systematic scheme of instruction that should include enough of general nursing, as well as the care of cases of nervous and mental disease, to be of practical use in fitting young women to do useful work for themselves and the public. During this five years, the methods of the training schools have been gradually introduced; and for three years the practical work of the nursing service has been done in accordance with those methods, which for two years have only required to be supplemented by a course of formal instruction by lectures and class-room recitations. It was thought best not to enter upon this part of the work until preparation had been made to carry on a fully developed plan that should be something more than experimental. The value of such a school depends upon the thoroughness of its work and its permanency. The main portion of the teaching, besides the practical work in the wards, should be by the study of text-books, systematic class-drill, and practice in writing notes of lectures and clinical observations. The teachers should have time and competency for their work. It would be a great saving of valuable time and trouble to the Superintendent, and advantageous to the pupils, if the teachers themselves have had practical experience and technical training as nurses. The value of lectures by the medical officers is supplementary; and the subjects being studied at the time should be treated in them, except such as can be taught

only by lectures. Finally, a formal organization is necessary to establish the school and place teachers and pupils under such obligations as shall sustain and perpetuate the work, in order that it may be of material and lasting benefit.

It has now come about that the nursing service is animated by the spirit which distinguishes the work of a nurse who pursues her calling as a profession, and the taking up of the formal work of training marks no transition in our methods of nursing. The joining of the school is made entirely voluntary for the nurses who are in the service, but those hereafter employed will be required to take the course of training. It is purposed to extend the system to the training of men nurses in the same way. The plan of the school is set forth in a printed circular, a copy of which may be found following the tables appended to this report.

It has been our policy to furnish nurses for private cases outside of the Asylum, if possible, and even at considerable inconvenience, whenever asked for; and this practice has been productive of good to all concerned, while promoting a comity of relations between the public and the Asylum. The result is that thirty-six of the nurses who have been employed here during the past five years — twenty-four women and twelve men — are known to have been, or to be still doing, good work as private nurses. The purpose of the school we have been organizing is to render more effective service to the public in this way, as well as to perfect our own work of caring for our patients.

The use of general hospital methods in the care of our patients has produced a variety of results. It is partly due to this that the night service has been considerably enlarged. There are now on regular duty thirteen night nurses, besides two night super-

visors, for the purpose not only of watching the suicidal and very sick cases, but to afford that kind of attention at night which is a comfort to those who suffer from distressing nervous disorders, for some of whom nothing can be done beyond mitigating a condition of hopeless insanity. The practice of employing special attendants for individual cases is more common, and the presence of women as nurses in the men's wards continues to be most satisfactory.

The cottage at the seashore in Lynn was a source of much pleasure and benefit to some of our patients. Two ladies spent the whole season of four months there, and nine others had the privilege for a number of weeks. The curative influences of the life there were very marked in some cases. The usual attention has been given to entertainments and recreation for the patients.

The friends of the Asylum, who have continued to manifest their interest in its welfare, have our grateful thanks.

Very respectfully,

EDWARD COWLES,
Superintendent.

TABLE No. 2.

MONTHLY ADMISSIONS, DISCHARGES, AND AVERAGES.

Months.	Admissions.			Discharges (including Deaths).			Daily Average of Patients in the House.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
January, . .	3	4	7	2	. .	2	69.35	87.49	156.84
February, .	5	6	11	2	9	11	69.38	91.72	161.10
March, . .	6	6	12	7	5	12	71.23	92.19	163.42
April, . . .	4	8	12	4	6	10	72.50	93.47	165.97
May, . . .	5	5	10	2	6	8	73.42	94.16	167.58
June, . . .	4	4	8	5	10	15	72.83	90.60	163.43
July, . . .	7	4	11	3	1	4	78.61	87.84	166.45
August, . .	7	3	10	3	6	9	79.13	90.71	169.84
September, .	4	5	9	8	1	9	81.93	91.97	173.90
October, . .	4	4	8	1	2	3	75.36	92.12	167.48
November, .	3	4	7	3	3	6	78.17	93.16	171.33
December, .	3	5	8	6	8	14	76.94	91.51	168.45
Total *cases*, .	55	58	113	46	57	103	74.90	91.41	166.31
" *persons*,	53	56	109	46	55	101	. .	. .	. .

TABLE No. 3.

RECEIVED ON FIRST AND SUBSEQUENT ADMISSIONS.

Number of the Admission.	Cases admitted.			Times previously recovered.		
	Males.	Females.	Total.	Males.	Females.	Total.
First, ...	40	35	75	. .	4	4
Second, ...	9	11	20	5	5	10
Third, ...	4	6	10	3	4	7
Fourth, ...	1	1	2	. .	. .	. .
Fifth, ...	. .	1	1	. .	. .	. .
Eighth, ...	. .	1	1	. .	. .	. .
Fourteenth, . . .	. .	1	1	. .	2	2
Fifteenth, ...	. .	1	1	. .	2	2
Sixteenth, ...	. .	1	1	. .	2	2
Eighteenth, . . .	1	. .	1	17	. .	17
Total of *cases*, . .	55	58	113	25	19	44
Total of *persons*, .	53	56	109	. .	. .	. .

These 44 recoveries represent 20 persons, 15 having recovered one, 4 two, and 1 seventeen times. One person representing 2 recoveries is entered three times in the table as fourteenth, fifteenth, and sixteenth admission.

TABLE No. 4.

AGES OF PERSONS ADMITTED FOR THE FIRST TIME.

Ages.	At first attack of Insanity.			When admitted.		
	Males.	Females.	Total.	Males.	Females.	Total.
15 years and less,	. .	. .	. .	. .	. .	. .
From 15 to 20 yrs.,	. .	1	1	. .	. .	. .
" 20 to 25 "	5	4	9	5	4	9
" 25 to 30 "	2	7	9	2	6	8
" 30 to 35 "	8	7	15	7	6	13
" 35 to 40 "	1	5	6	2	3	5
" 40 to 50 "	11	7	18	11	10	21
" 50 to 60 "	3	1	4	2	3	5
" 60 to 70 "	5	1	6	6	1	7
" 70 to 80 "	5	1	6	5	. .	5
" 80 to 90 "	. .	1	1	. .	2	2
Total of *persons*,	40	35	75	40	35	75

TABLE No. 5.

PARENTAGE OF PERSONS ADMITTED.

Places of Nativity.	Males.		Females.		Total.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine,	5	5	6	7	11	12
New Hampshire,	6	5	6	4	12	9
Vermont,	2	2	1	1	3	3
Massachusetts,	23	25	26	24	49	49
Rhode Island,	. .	. .	. .	1	. .	1
Connecticut,	2	3	1	1	3	4
New York,	2	2	3	4	5	6
Maryland,	. .	. .	1	1	1	1
New Jersey,	1	. .	. .	. .	1	. .
Illinois,	1	. .	1	1	2	1
Washington, D.C.,	. .	. .	1	. .	1	. .
England,	4	4	1	3	5	7
Germany,	. .	. .	2	2	2	2
Ireland,	4	4	. .	1	4	5
New Brunswick,	. .	. .	1	2	1	2
Nova Scotia,	2	2	1	. .	3	2
Australia,	. .	. .	1	1	1	1
Holland,	. .	. .	1	. .	1	. .
Scotland,	. .	. .	1	1	1	1
Sweden,	. .	. .	1	1	1	1
Switzerland,	1	1	1	1	2	2
Total of *persons*,	53	53	56	56	109	109

TABLE No. 6.

RESIDENCE OF PERSONS ADMITTED.

Places.	Males.	Females.	Total.
Massachusetts: —			
Suffolk County,	18	20	38
Middlesex County,	15	18	33
Essex County,	2	4	6
Norfolk County,	3	4	7
Berkshire County,	. .	1	1
Plymouth County,	2	1	3
Bristol County,	. .	3	3
Dukes County,	2	. .	2
Hampshire County,	. .	1	1
Worcester County,	1	. .	1
Maine,	5	2	7
Vermont,	1	1	2
Connecticut,	1	. .	1
New York,	2	. .	2
Illinois,	. .	2	2
Wisconsin,	1	. .	1
California,	. .	1	1
Canada,	1	. .	1
Nova Scotia,	1	. .	1
Total of *cases*,	55	58	113
Total of *persons*,	53	56	109

TABLE No. 7.

CIVIL CONDITIONS OF PERSONS ADMITTED.

Number of the Admission.	Unmarried.			Married.			Widowed.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First,	12	19	31	25	14	39	3	2	5
Second,	2	7	9	5	4	9	2	. .	2
Third,	1	2	3	3	4	7	. .	. .	. .
Fourth,	. .	. .	. .	1	1	2	. .	. .	. .
Fifth,	. .	1	1	. .	. .	. .	. .	. .	. .
Eighth,	. .	1	1	. .	. .	. .	. .	. .	. .
Fourteenth,	. .	. .	. .	. .	. .	. .	. .	1	1
Fifteenth,	. .	. .	. .	. .	. .	. .	. .	1	1
Sixteenth,	. .	. .	. .	. .	. .	. .	. .	1	1
Eighteenth,	1	. .	1	. .	. .	. .	. .	. .	. .
Total *cases*,	16	30	46	34	23	57	5	5	10
Total *persons*,	16	30	46	32	23	55	5	3	8

TABLE No. 8.

OCCUPATIONS OF PERSONS ADMITTED.

Occupations.	Males.	Females.	Total.
Housewife,	..	12	12
Clerk,	8	3	11
Publisher,	1	..	1
Merchant,	13	..	13
Farmer,	5	..	5
Student,	2	..	2
Teacher,	..	7	7
Artist,	2	2	4
Physician,	3	..	3
Clergyman,	3	..	3
Civil Engineer,	1	..	1
Army Officer,	1	..	1
Saloon-keeper,	2	..	2
Telegraph Operator,	..	1	1
Mechanic,	9	..	9
Milliner,	..	1	1
Servant,	..	1	1
No occupation,	3	29	32
Total of *persons*,	53	56	109

TABLE No. 9.

REPORTED DURATION OF INSANITY BEFORE LAST ADMISSION.

Previous Duration.	First Admission to any Hospital.			All other Admissions.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	..	..	..	..	..	..	..	..	..
Under 1 mo.,	11	6	17	4	8	12	15	14	29
Fr. 1 to 3 mo.,	4	8	12	3	4	7	7	12	19
" 3 to 6 "	6	7	13	..	2	2	6	9	15
" 6 to 12 "	4	5	9	2	3	5	6	8	14
" 1 to 2 yrs.,	9	5	14	2	1	3	11	6	17
" 2 to 5 "	2	2	4	4	3	7	6	5	11
" 5 to 10 "	3	1	4	..	2	2	3	3	6
"10 to 20 "	1	1	2	..	..	..	1	1	2
Total *cases*,	40	35	75	15	23	38	55	58	113
Total *persons*,*	..	..	..	12	16	28	53	56	109
Average of known persons (in years).	1.59	1.26	1.42	1.15	.83	.95			

* Three persons not insane.

TABLE No. 10.

FORM OF DISEASE IN THE CASES ADMITTED.

Form of Disease.	Males.	Females.	Total.
Mania, acute,	13	10	23
Mania, chronic,	. .	1	1
Mania, hysterical,	. .	1	1
Melancholia, acute,	16	31	47
Melancholia, chronic,	1	4	5
Dementia, chronic,	6	7	13
Dementia, senile,	4	1	5
General Paralysis,	8	. .	8
Delusional Insanity,	5	2	7
Not insane,	2	1	3
Total of *cases*,	55	58	113
Total of *persons*,	53	56	109

TABLE No. 11.

ALLEGED CAUSES OF INSANITY IN PERSONS ADMITTED.

Causes.	Males.	Females.	Total.
Mental.			
Grief,	1	1	2
Anxiety,*	9	5	14
Spiritualism,	. .	1	1
Physical.			
Ill-health,	4	9	13
Injury to the head,	3	. .	3
Overwork,	9	12	21
Constitutional,	3	6	9
Change of life,	. .	1	1
Child-birth,	. .	2	2
Uterine disease,	. .	1	1
Masturbation,	1	. .	1
Sunstroke,	1	. .	1
Alcohol,*	8	2	10
Opium,	1	. .	1
Apoplexy,	2	. .	2
Senility,	3	2	5
Congenital,	. .	1	1
Unknown,	10	15	25
Total of *cases*,	55	58	113
Total of *persons*,	53	56	109

* Three of these persons not insane.

TABLE No. 12.

RELATION TO HOSPITALS OF THE PERSONS ADMITTED.

	Males.	Females.	Total.
Never before in any Hospital,	40	35	75
Former inmates of this Hospital,	8	13	21
Former inmates of other Hospitals in this State: —			
Danvers,	2	3	5
South Boston,	. .	1	1
Worcester,	1	. .	1
Taunton,	1	. .	1
Private Asylum,	1	2	3
Former inmates of Hospitals in other States,	. .	1	1
Former inmates of this Hospital and of other Hospitals in this State: —			
Danvers,	. .	1	1
Private Asylum,	1	. .	1
Former inmates of this Hospital and of Hospitals in other States,	. .	1	1
Former inmates of foreign Hospitals,	1	1	2
Total of *cases*,	55	58	113
Total of *persons*,	53	56	109

TABLE No. 13.

DISCHARGES CLASSIFIED BY ADMISSION AND RESULT.

Admission.	Recovered.			Much Improved.			Improved.			Unimproved.			Died.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First,*	8	19	27	2	7	9	5	3	8	16	8	24	6	7	13	37	44	81
Second, ...	. .	1	1	. .	. .	. .	1	. .	1	2	3	5	2	1	3	5	5	10
Third, ...	1	2	3	1	1	2	1	. .	1	. .	. .	. .	. .	. .	. .	3	3	6
Fourth, ...	. .	1	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1
Fifth, ...	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1	. .	1	1
Thirteenth, ...	. .	1	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1
Fourteenth, ...	. .	. .	. .	. .	1	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1
Fifteenth, ...	. .	. .	. .	. .	1	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1
Eighteenth, ...	1	. .	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	. .	1
Total of *cases*, . . .	10	24	34	3	10	13	7	3	10	18	11	29	8	9	17	46	57	103
Total of *persons*, . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	46	55	101

* Two of these persons not insane.

TABLE No. 14.

CASES DISCHARGED RECOVERED.—DURATION.

Period.	Duration before Admission.			Hospital Residence.			Whole duration from the Attack.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 mo.,	7	3	10	5	1	6	1	. .	1
Fr. 1 to 3 mo.,	3	10	13	4	5	9	8	1	9
" 3 " 6 "	. .	7	7	. .	9	9	. .	4	4
" 6 " 12 "	. .	3	3	1	4	5	1	12	13
" 1 " 2 yrs.	. .	. .	. .	. .	2	2	. .	3	3
" 2 " 5 "	. .	1	1	. .	3	3	. .	4	4
Total *persons*,*	10	24	34	10	24	34	10	24	34
Average of known cases (in months),	.95	4.28	3.30	1.67	9.53	7.22	2.62	13.81	10.52

*One of these persons not insane.

TABLE No. 15.

CASES RESULTING IN DEATH.—DURATION.

Period.	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 mo., . .	1	1	2	1	1	2	. .	. .	. .
From 1 to 3 mo.,	. .	1	1	3	. .	3	1	. .	1
" 3 to 6 "	. .	1	1	1	1	2	. .	1	1
" 6 to 12 "	. .	1	1	1	2	3	. .	. .	. .
" 1 to 2 yrs.,	5	1	6	. .	2	2	2	2	4
" 2 to 5 "	2	2	4	1	2	3	4	1	5
" 5 to 10 "	. .	2	2	1	1	2	1	5	6
Total, ...	8	9	17	8	9	17	8	9	17
Average of known cases (in months),	16.53	34.86	26.24	17.86	21.	19.52	34.39	55.86	45.76

TABLE No. 16.

CASES DISCHARGED BY RECOVERY OR DEATH.

Form of Insanity.	Recoveries.			Deaths.		
	Males.	Females.	Total.	Males.	Females.	Total.
Mania, acute, . . .	7	2	9	3	1	4
Melancholia, acute, .	2	17	19	1	1	2
Melancholia, chronic, .	. .	. .	. .	1	3	4
Dementia, chronic, . .	. .	. .	. .	. .	3	3
Dementia, senile, . .	. .	. .	. .	2	. .	2
General Paralysis, . .	. .	. .	. .	1	. .	1
Hystero-epilepsy, . .	. .	. .	. .	. .	1	1
Alcoholism,*	1	. .	1	. .	. .	. .
Delusional Insanity, .	. .	4	4	. .	. .	. .
Puerperal Insanity, .	. .	1	1	. .	. .	. .
Total of *cases*, . . .	10	24	34	8	9	17
Total of *persons*, . .	10	24	34	8	9	17

* Not insane.

TABLE No. 17.

CAUSES OF DEATH.

Causes.	Males.	Females.	Total.
Cerebral Disease.			
General Paralysis, ...	1	. .	1
Exhaustion from Mania, ...	2	. .	2
Apoplexy, ...	. .	2	2
Other Causes.			
Pneumonia, ...	2	. .	2
Phthisis Pulmonalis, ...	. .	2	2
Senility, ...	2	. .	2
Suicide, ...	1	1	2
Ovariotony, shock, ...	. .	1	1
Erysipelas, ...	. .	1	1
Cellulitis, ...	. .	1	1
Peritonitis, ...	. .	1	1
Totals, ...	8	9	17

TABLE No. 18.

RECOVERIES, CLASSIFIED BY RESULTS OF PREVIOUS ADMISSIONS.*

Number of the Admission.	Recovered.			Much Improved.			Improved.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Second, ...	. .	1	1	. .	. .	. .	. .	. .	. .	. .	1	1
Third, ...	1	2	3	. .	. .	. .	. .	. .	. .	1	2	3
Fourth, ...	. .	1	1	. .	. .	. .	. .	. .	. .	. .	1	1
Thirteenth, . . .	. .	. .	. .	. .	1	1	. .	. .	. .	. .	1	1
Eighteenth, . . .	1	. .	1	. .	. .	. .	. .	. .	. .	1	. .	1
Total of *persons*, .	2	4	6	. .	1	1	. .	. .	. .	2	5	7

* This classification is based upon the result of the admission next preceding the last, in each case respectively.

TABLE No. 19.

DEATHS, CLASSIFIED BY DURATION OF INSANITY AND OF TREATMENT.

Period.	Duration of Insanity.			Whole known period of Hospital Residence.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital, . . .	. .	. .	. .	. .	. .	. .
Under 1 month, . .	. .	. .	. .	1	1	2
From 1 to 3 months,	. .	. .	. .	2	1	3
" 3 " 6 "	. .	1	1	2	. .	2
" 6 " 12 "	. .	. .	. .	1	1	2
" 1 " 2 years,	2	2	4	. .	2	2
" 2 " 5 "	4	3	7	1	3	4
" 5 " 10 "	2	3	5	1	1	2
Total, ...	8	9	17	8	9	17
Average of known *cases* (in months),	39.62	48.22	44.18	19.66	26.63	23.11

TABLE No. 20.

AGES OF THOSE WHO DIED.

Ages.	At time of the first Attack.			At time of Death.		
	Males.	Females.	Total.	Males.	Females.	Total.
From 20 to 25 years,	1	2	3	. .	1	1
" 25 " 30 "	. .	1	1	1	1	2
" 35 " 40 "	1	2	3	. .	. .	. .
" 40 " 50 "	2	1	3	3	3	6
" 50 " 60 "	1	2	3	. .	3	3
" 60 " 70 "	2	. .	2	2	. .	2
" 70 " 80 "	1	1	2	2	1	3
Total, ...	8	9	17	8	9	17

TABLE No. 21.

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS AT THE McLEAN ASYLUM.

FROM ITS OPENING, OCT. 6, 1818, TO DEC. 31, 1884, INCLUSIVE.

Years.	Admitted.	Discharged.	Whole No. under care.	Died.	Much improved, etc.	Recovered.	Remaining at end of year	Average No. of Patients.
1818-25	398	344	623	29	205	110	279	..
1826	47	46	101	5	21	20	55	..
1827	58	56	113	5	17	34	57	..
1828	77	65	134	5	37	23	69	..
1829	73	77	142	9	42	26	65	..
1830	82	78	147	10	34	34	69	..
1831	83	84	152	8	46	30	68	..
1832	94	98	162	10	45	43	64	..
1833	103	100	167	8	50	42	67	..
1834	108	95	174	7	47	41	80	..
1835	83	84	163	11	28	45	77	..
1836	106	112	183	10	38	64	71	..
1837	120	105	191	8	25	72	86	80
1838	138	131	224	12	45	74	93	95
1839	132	117	225	10	38	69	108	112
1840	155	138	263	13	50	75	125	128
1841	157	141	283	11	55	75	142	135
1842	129	138	271	15	43	80	133	143
1843	126	126	260	18	45	63	134	131
1844	158	140	292	20	52	68	152	146
1845	119	120	271	13	33	74	151	149
1846	148	126	299	9	52	65	173	164
1847	170	170	343	33	50	87	173	172
1848	143	155	316	23	50	82	155	171
1849	160	137	321	15	58	64	184	177
1850	173	157	357	28	51	78	200	201
1851	164	173	364	29	69	75	191	195
1852	145	135	336	15	48	72	201	200
1853	114	120	315	17	45	58	195	194
1854	120	120	315	16	45	59	195	195
1855	123	126	318	24	46	56	192	192
1856	149	145	341	19	58	68	196	195
1857	141	159	337	28	60	71	178	191
1858	155	147	333	25	50	72	186	187
1859	131	142	317	28	53	61	175	185
1860	121	109	296	24	46	39	187	185
1861	111	110	298	23	33	54	188	193
1862	82	94	270	18	37	39	176	190
1863	94	69	270	13	20	36	201	191
1864	101	107	302	27	38	42	195	200
1865	82	85	277	17	33	35	192	186
1866	103	98	295	29	23	46	197	197
1867	89	108	286	27	36	45	178	186
1868	92	94	270	23	37	34	176	166
1869	108	100	284	18	31	51	184	187
1870	79	85	263	12	40	33	178	187
1871	75	81	253	13	47	21	172	178
1872	93	101	265	23	63	15	164	173
1873	92	95	256	13	63	19	161	165
1874	75	88	236	10	58	20	148	159
1875	85	83	233	16	51	16	150	156
1876	92	74	242	20	36	18	168	160
1877	110	103	278	20	68	15	175	175
1878	63	84	238	12	66	6	154	168
1879	76	79	230	12	48	19	151	157
1880	51	48	202	6	30	12	154	152
1881	66	65	220	14	37	14	155	150
1882	82	70	237	8	36	26	167	156
1883	109	111	276	17	57	37	165	164
1884	113	103	278	17	52	34	175	166
	6,826	6,651		978	2,817	2,856		

TABLE No. 22.

TABLE OF APPLICATIONS, ADMISSIONS, ETC., FOR TWENTY YEARS,—1864-1884.

| Years. | Applications. | | Admissions. | | American. | | Foreign. | | Not Admitted. | Discharged, cured, relieved, or improved. | | Percentage of same on Admissions. | | Died. | | Accidents. | Whole number under care in the year. | | Number of free patients. | Paying all the time. | Paying part of the time. | Greatest total number at any time. | | Least total at any time. | | Average. | | Greatest number at any one time of Free or Paying at Hospital. | | Average time in weeks Paying and Free at Hospital. | | Out-Patients. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Hospital. | Hospital. | Asylum. | Hospital. | Asylum. | Hospital. | Asylum. | Hospital. | Hospital. | Asylum. | Hospital. | Asylum. | Hospital. | Asylum. | | Hospital. | Asylum. | Hospital. | Hospital. | Hospital. | Hospital. | Asylum. | Hospital. | Asylum. | Hospital. | Asylum. | Free. | Paying. | Paying. | Free. | Hospital. |
| 1864 | 1932 | 1599 | 101 | 654 | 99 | 945 | 2 | 333 | 1306 | 80 | 8.168 | 79.1 | 130 | 27 | 242 | 1749 | 302 | 1388 | 350 | 11 | 157 | 208 | 110 | 192 | 138 | 200 | 139 | 33 | 3.2 | 4.4 | 5619 |
| 1865 | 1430 | 1199 | 82 | 571 | 80 | 628 | 2 | 231 | 997 | 68 | 8.315 | 82.9 | 104 | 17 | 140 | 1347 | 277 | 687 | 592 | 68 | 164 | 195 | 88 | 181 | 113 | 186 | 137 | 72 | 3.7 | 4.8 | 5356 |
| 1866 | 1328 | 1120 | 103 | 542 | 100 | 587 | 3 | 208 | 909 | 69 | 81.17 | 66.9 | 96 | 29 | 132 | 1224 | 295 | 556 | 623 | 45 | 109 | 203 | 78 | 192 | 95 | 197 | 62 | 58 | 3.4 | 5.1 | 5608 |
| 1867 | 1419 | 1206 | 89 | 558 | 88 | 648 | 1 | 213 | 958 | 81 | 79.43 | 91 | 94 | 27 | 113 | 1301 | 286 | 676 | 601 | 24 | 126 | 200 | 72 | 172 | 104 | 186 | 77 | 62 | 3.4 | 4.3 | 4553 |
| 1868 | 1474 | 1265 | 92 | 604 | 92 | 661 | 0 | 209 | 1015 | 71 | 80.03 | 77.1 | 85 | 23 | 98 | 1373 | 218 | 840 | 502 | 31 | 132 | 181 | 69 | 160 | 102 | 166 | 97 | 56 | 3.0 | 3.5 | 5264 |
| 1869 | 1633 | 1390 | 108 | 681 | 108 | 709 | 0 | 243 | 1123 | 82 | 80.03 | 75.9 | 107 | 18 | 93 | 1217 | 284 | 930 | 563 | 24 | 139 | 196 | 90 | 177 | 118 | 187 | 98 | 55 | 3.4 | 4.3 | 6953 |
| 1870 | 1706 | 1302 | 79 | 584 | 76 | 718 | 3 | 404 | 1083 | 73 | 83.20 | 92.4 | 85 | 12 | 140 | 1427 | 342 | 958 | 439 | 30 | 137 | 195 | 98 | 181 | 120 | 187 | 106 | 45 | 3.4 | 4.8 | 8767 |
| 1871 | 1781 | 1427 | 75 | 649 | 75 | 778 | 0 | 354 | 1143 | 52 | 80.09 | 69.3 | 109 | 13 | 178 | 1537 | 253 | 1056 | 456 | 25 | 154 | 187 | 91 | 167 | 122 | 178 | 126 | 43 | 3.1 | 3.9 | 9792 |
| 1872 | 1815 | 1547 | 93 | 665 | 88 | 882 | 5 | 268 | 1271 | 52 | 82.15 | 55.9 | 120 | 23 | 259 | 1701 | 265 | 1289 | 396 | 16 | 160 | 179 | 97 | 163 | 135 | 173 | 133 | 42 | 3.1 | 4.3 | 11878 |
| 1873 | 1958 | 1550 | 92 | 640 | 85 | 910 | 7 | 408 | 1201 | 64 | 77.48 | 69.5 | 186 | 13 | 291 | 1700 | 256 | 1195 | 441 | 64 | 187 | 171 | 129 | 158 | 156 | 165 | 156 | 44 | 3.3 | 6.0 | 13517 |
| 1874 | 2153 | 1639 | 75 | 713 | 68 | 926 | 7 | 514 | 1342 | 54 | 81.88 | 72 | 127 | 10 | 234 | 1800 | 236 | 1251 | 394 | 120 | 183 | 167 | 111 | 144 | 149 | 159 | 146 | 41 | 2.7 | 5.6 | 15612 |
| 1875 | 2357 | 1841 | 85 | 799 | 72 | 1022 | 13 | 516 | 1412 | 57 | 76.70 | 67 | 189 | 16 | 285 | 1989 | 233 | 1565 | 336 | 88 | 199 | 165 | 132 | 145 | 166 | 156 | 176 | 31 | 2.8 | 5.2 | 16993 |
| 1876 | 2560 | 1906 | 92 | 900 | 82 | 1006 | 10 | 654 | 1621 | 45 | 85.04 | 48.9 | 150 | 20 | 245 | 2096 | 242 | 1696 | 308 | 92 | 210 | 173 | 163 | 148 | 185 | 160 | 182 | 36 | 3.2 | 5.7 | 17292 |
| 1877 | 2131 | 1657 | 110 | 863 | 103 | 794 | 7 | 474 | 1339 | 57 | 80.80 | 51.8 | 130 | 20 | 147 | 1847 | 278 | 1270 | 339 | 48 | 194 | 184 | 135 | 168 | 164 | 175 | 178 | 33 | 2.8 | 5.5 | 18004 |
| 1878 | 2275 | 1794 | 63 | 946 | 58 | 848 | 5 | 481 | 1461 | 45 | 81.43 | 71.4 | 134 | 12 | 200 | 1950 | 238 | 1578 | 334 | 38 | 187 | 182 | 132 | 154 | 165 | 168 | 170 | 34 | 2.8 | 5.2 | 18744 |
| 1879 | 2310 | 1813 | 76 | 979 | 63 | 834 | 13 | 497 | 1462 | 46 | 80.63 | 60.5 | 143 | 12 | 222 | 1971 | 230 | 1577 | 352 | 42 | 188 | 164 | 131 | 150 | 163 | 157 | 165 | 30 | 2.8 | 5.1 | 18960 |
| 1880 | 2701 | 2123 | 51 | 1117 | 46 | 1006 | 5 | 578 | 1731 | 32 | 81.53 | 62.7 | 151 | 6 | 351 | 2284 | 202 | 1864 | 371 | 45 | 188 | 159 | 156 | 146 | 170 | 152 | 165 | 35 | 2.5 | 4.5 | 20566 |
| 1881 | 2786 | 2106 | 66 | 1074 | 57 | 1032 | 9 | 680 | 1853 | 37 | 82.19 | 56 | 189 | 14 | 391 | 2270 | 220 | 1835 | 419 | 26 | 195 | 161 | 139 | 147 | 166 | 150 | 168 | 39 | 2.79 | 4.41 | 18443 |
| 1882 | 2587 | 2147 | 82 | 1127 | 73 | 1020 | 9 | 440 | 1775 | 47 | 87.83 | 57 3 | 177 | 8 | 348 | 2302 | 237 | 1876 | 399 | 12 | 195 | 166 | 143 | 149 | 168 | 156 | 167 | 35 | 2.84 | 4.41 | 16304 |
| 1883 | 2460 | 2020 | 109 | 1035 | 93 | 985 | 16 | 440 | 1664 | 63 | 82.33 | 57.8 | 181 | 17 | 432 | 2185 | 276 | 1633 | 473 | 79 | 189 | 171 | 143 | 151 | 168 | 164 | 168 | | 2.75 | 4.80 | *7102 |
| 1884 | 2494 | 2096 | 113 | 1043 | 95 | 1053 | 18 | 398 | 1685 | 57 | 80.39 | 50.4 | 191 | 17 | 397 | 2310 | 278 | 1815 | 448 | 47 | 186 | 175 | 129 | 154 | 165 | 166 | 159 | 40 | 3 | 4.14 | 14824 |

*Out-Patient Department open only five months.

TABLE No. 23.

TABLE SHOWING THE COST OF PRINCIPAL STORES AT McLEAN ASYLUM.

Articles.	1881.			1882.			1883.			1884.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, ... lbs.,	56,835½	$6,467.14	.1137	57,936½	$7,869.37	.1358	67,534	$8,604.15	.1274	69,313	$9,573.72	.1381
Mutton and Lamb, "	23,583	2,308.16	.0978	20,340	2,104.57	.1034	23,280	2,406.70	.1033	22,221	2,154.00	.0969
Veal, ... "	19,707	1,846.00	.094	13,367	1,445.17	.108	10,401	1,173.42	.1128	11,916	1,319.68	.1107
Poultry, ... "	20,052¾	3,517.55	.175	18,946	3,815.64	.201	11,324	2,422.44	.213	12,806	2,753.43	.215
Ham, etc., . . . "	10,148¼	1,087.55	.107	9,724½	1,234.90	.126	7,970	1,043.39	.13	11,220	1,480.33	.131
Eggs, ... doz.,	11,523	3,084.19	.269	11,153½	3,143.77	.277	10,758	3,009.04	.279	10,579	2,590.78	.244
Lard, ... lbs.,	2,093	244.44	.1167	1,041	133.08	.127	1,680	186.75	.111	2,045	201.10	.098
Flour, ... bbls.,	413	3,219.16	7.794	455	3,767.15	8.279	507	3,690.67	7.279	541	3,531.57	6.527
Butter, ... lbs.,	21,979¾	6,163.79	.2804	20,780	6,276.21	.302	21,612	5,939.32	.274	20,991	5,497.28	.261
Coffee, ... "	3,841	945.95	.246	3,955	944.80	.2388	3,530	862.57	.244	2,904	720.65	.248
Tea, ... "	1,609	513.58	.319	1,522	501.31	.3294	1,406	460.54	.327	1,215	403.02	.331
Sugar, ... "	24,932	2,338.88	.0938	26,489½	2,462.13	.0929	27,672	2,421.10	.874	28,351	1,951.19	.068
Lights, Gas, etc., feet,		2,771.42			3,858.49			3,379.25			3,461.92	
Coal, ... tons,	1,099$\frac{350}{2000}$	6,635.44	6.036	1,200$\frac{252}{2000}$	7,284.95	6.07	1,022$\frac{1050}{2000}$	6,303.39	6.164	1,434$\frac{1383}{2000}$	7,786.65	5.427
Wood, ... cords,	15	140.70	9.38	14¼	103.31	7.25	8½	55.25	6.50			
Ice, ... tons,	366$\frac{100}{2000}$	849.88	2.33	423$\frac{1600}{2000}$	759.46	1.79	481$\frac{100}{2000}$	841.79	1.75	486$\frac{1800}{2000}$	930.62	1.911

Massachusetts General Hospital.

McLean Asylum Training School for Nurses.

The Trustees of the Massachusetts General Hospital are prepared to give, at the McLean Asylum for the Insane, to women desirous of becoming professional nurses, a two years' course of training in general nursing, with special reference to the care of cases of nervous and mental disease.

Those wishing to receive such a course of instruction must apply to the Superintendent of the McLean Asylum, Somerville, Mass.

The most desirable age for candidates is from twenty-one to thirty-five years; they must be in sound health, and must send with their application a certificate from a physician certifying to the fact; also, one from some responsible person as to their good character and good health. Upon the recommendation of the Superintendent of the Hospital and the approval of the Trustees, they will be received for two months on probation.

The Superintendent of Nurses has charge of the Training School, under the authority of the Superintendent of the Asylum and of the Board of Trustees; and the Nurses are subject to the rules of the Asylum. Their fitness for the work and the propriety of retaining or dismissing them at the end of the two months of trial is determined by the authorities in charge of the School, under the direction of the Trustees; and the same authorities can in

like manner discharge them at any time in case of misconduct or inefficiency. They reside in the Asylum, and serve as assistant nurses in its wards.

All nurses are required to be sober, honest, truthful, trustworthy, punctual, quiet, orderly, cleanly, neat, patient, kind, and cheerful.

The instruction includes the general care of the sick; the managing of helpless patients in bed, in moving, changing bed and body linen, making of beds, etc.; giving baths, keeping patients warm or cool, preventing and dressing bed sores; bandaging, applying of fomentations, poultices, and minor dressings; the preparing and serving of food, the feeding of helpless patients and those who refuse food; the administering of enemas and use of the catheter; attendance upon patients requiring diversion and companionship; the observation of mental symptoms, delusions, hallucinations, delirium, stupor, etc.; and the care of excited, violent, and suicidal patients.

They are also given instruction in the best practical methods of supplying fresh air, warming and ventilating sick-rooms in a proper manner, and are taught to take proper care of rooms and wards, in keeping all utensils perfectly clean and disinfected, etc.; to observe the sick accurately in regard to the state of the secretions, pulse, breathing, skin, temperature, sleep, appetite, effect of diet, of stimulants, and medicine; and the managing of convalescents.

The instruction is given mainly by the Superintendent of the Training School, and by the Supervisor and Head Nurses. Lectures and demonstrations will be given, at stated periods, by the Asylum Medical Staff. Examinations, chiefly upon practical points, take place from time to time.

The pupils are employed as assistant nurses in the wards of the Hospital, and are paid fourteen dollars

($14) per month during the first year, and sixteen dollars ($16) per month during the second year, for their clothing and personal expenses. Their education during this time is considered as compensation for their services.

They are required to wear at all times, while on duty in the wards, the hospital uniform dress.

When the full term of two years is completed, the nurses thus trained receive (after final examinations) diplomas certifying to their period of training, their proficiency and good character.

The right is reserved to terminate the connection of any nurse or pupil with the school, for any reason which may be deemed sufficient.

N.B.— This paper to be filled in (in the Candidate's own handwriting), and sent to the Superintendent of McLean Asylum, Somerville, Mass.

QUESTIONS TO BE ANSWERED BY CANDIDATE.

1. Christian name in full of Candidate.
2. Are you a single woman or widow?
3. Your present occupation or employment?
4. Age last birthday, and date and place of birth?
5. Height? Weight?
6. In what school or schools educated? and in what place?
7. Are you strong and healthy? and have you always been so?
8. Are your sight and hearing perfect?
9. Have you any physical defects?
10. Have you any tendency to pulmonary complaint?
11. If a widow, have you children? How many? Their ages? How are they provided for?
12. Are you otherwise free from domestic responsibility, so that you are not liable to be called away?
13. Where (if any) was your last situation, and how long were you in it?
14. The names in full and addresses of two persons not of your own kindred, to be referred to. State how long each has known you. If previously employed, one of these must be the last employer.

 Name, ...
 Address, ...
 has known me years.

 Name, ...
 Address, ...
 has known me years.

Having read, and clearly understanding the foregoing conditions and regulations, I declare the above statement to be correct.

Signed, ...
Candidate.

Present Address, ...

Date, ... 188

Officers of the Institution.

1885.

President.

HENRY B. ROGERS.

Vice-President.

Amos A. Lawrence.

Treasurer.

Franklin Haven, Jr., 28 State Street.

Secretary.

Thomas B. Hall, 75 State Street.

Trustees.

Samuel Eliot, *Chairman*, 44 Brimmer Street.
*Charles V. Bemis, Medford, Mass.
E. Francis Bowditch, Framingham, Mass.
Edmund Dwight, 60 State Street.
William Endicott, Jr., 10 Mt. Vernon Street.
George S. Hale, 10 Tremont Street.
*Henry P. Kidder, 113 Devonshire Street.
Charles J. Morrill, 11 Arlington Street.
*Thomas E. Proctor, 106 High Street.
Nathaniel Thayer, 21 Sears Building.
*Samuel D. Warren, 67 Mt. Vernon Street.
Roger Wolcott, 8 Pemberton Square.

Board of Consultation.

Henry I. Bowditch, M.D.
Algernon Coolidge, M.D.
D. H. Storer, M.D.
Charles E. Ware, M.D.
Morrill Wyman, M.D.
Samuel Cabot, M.D.

*Appointed by the Governor of the Commonwealth.

OFFICERS OF THE HOSPITAL.

Resident Physician.

JAMES H. WHITTEMORE, M.D.

Visiting Physicians.

GEORGE C. SHATTUCK, M.D.
FRANCIS MINOT, M.D.
SAMUEL L. ABBOT, M.D.
GEORGE G. TARBELL, M.D.
WM. L. RICHARDSON, M.D.
EDWARD N. WHITTIER, M.D.

Visiting Surgeons.

HENRY J. BIGELOW, M.D.
RICHARD M. HODGES, M.D.
CHARLES B. PORTER, M.D.
JOHN COLLINS WARREN, M.D.
HENRY H. A. BEACH, M.D.
JOHN HOMANS, M.D.

Physicians to Out-Patients.

ELBRIDGE G. CUTLER, M.D.
FREDERICK C. SHATTUCK, M.D.
WILLIAM W. GANNETT, M.D.
FRANK B. HARRINGTON, M.D.

Surgeons to Out-Patients.

ARTHUR T. CABOT, M.D.
MAURICE H. RICHARDSON, M.D.
GEORGE W. WEST, M.D.

Physician to Out-Patients with diseases of the Skin.

JAMES C. WHITE, M.D.

Physician to Out-Patients with diseases of the Nervous System.

JAMES J. PUTNAM, M.D.

Physicians to Out-Patients with diseases of the Throat.

FREDERICK I. KNIGHT, M.D.
S. W. LANGMAID, M.D.

Ophthalmic Surgeon to Out-Patients.

OLIVER F. WADSWORTH, M.D.

Dental Surgeon.

Microscopist and Curator of the Pathological Cabinet.
REGINALD H. FITZ, M.D.

Chemist.
EDWARD S. WOOD, M.D.

Artist.
HENRY P. QUINCY, M.D.

Medical House Pupils, 1884–85.
HENRY JACKSON. GEORGE G. SEARS.

Surgical House Pupils, 1884–85.
HENRY C. BALDWIN. DILLON BROWN.
GEORGE M. KIMBALL. EDWARD REYNOLDS.

Matron.
Miss G. L. STURTEVANT.

Apothecary.
WILLIAM A. CAMERON.

OFFICERS OF THE McLEAN ASYLUM.

Superintendent.
EDWARD COWLES, M.D.

1st Assistant Physician.
GEORGE T. TUTTLE, M.D.

2d Assistant Physician.
FREDERICK M. TURNBULL, M.D.

Medical House Pupils.
A. J. ABBE. J. W. BABCOCK.

Purveyor.
JOHN P. BRADBURY.

Superintendent of Nurses.
Miss L. E. WOODWARD.

Clerk.
Miss F. E. GILBERT.

Supervisors.
—— ——— Miss M. E. GORDON.

Apothecary.
D. W. SPENCE.

VISITING COMMITTEE.

January and July.

Messrs. ELIOT and THAYER.

February and August.

Messrs. HALE and WARREN.

March and September.

Messrs. BEMIS and PROCTOR.

April and October.

Messrs. KIDDER and WOLCOTT.

May and November.

Messrs. MORRILL and ENDICOTT.

June and December.

Messrs. DWIGHT and BOWDITCH.

LADIES' VISITING COMMITTEE.

January and February.

Miss E. GRAY. Miss E. GOODWIN.

March.

Miss T. DODGE. Miss M. SILSBEE.

April.

Miss DODGE. Miss SILSBEE.
Mrs. R. RUSSELL. Miss E. M. ELIOT.

May.

Mrs. RUSSELL. Miss A. ROTCH.
Mrs. ELIOT.

June and October.

Mrs. ELIOT. Miss I. G. BEAL.

November and December.

Mrs. H. W. HAYNES. Miss A. W. MORRILL.

STANDING COMMITTEES.

On admitting Asylum Patients.

Messrs. WARREN and DWIGHT.

On Finance.

Messrs. KIDDER and MORRILL.

On Accounts and Expenditures.

Messrs. WOLCOTT, THAYER, and DWIGHT.

On Buildings and Repairs.

Messrs. DWIGHT, WARREN, and ELIOT.

On Free Beds.

Messrs. BOWDITCH and PROCTOR.

On the General Library and Warren Fund.

Messrs. ELIOT and HALE.

On the Book of Donations.

Dr. BEMIS.

Committee on Election of Externes and House Pupils.

Messrs. ELIOT, MORRILL, BOWDITCH, and WOLCOTT.

Committee on New Asylum and Grounds.

Messrs. DWIGHT, ELIOT, WARREN, ENDICOTT, and BOWDITCH.

SEVENTY-SECOND ANNUAL REPORT

OF THE

TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

AND

McLEAN ASYLUM,

1885.

Printed at the Expense of the Bowditch History Fund.

BOSTON:
GEORGE H. ELLIS, PRINTER, 141 FRANKLIN STREET.
1886.

REPORT OF THE TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

For the Year 1885.

The Committee of the Trustees appointed to prepare the annual report of the Board to the Corporation, to whom the accounts of the Treasurer and the reports of the other officials have been referred, respectfully submit the

SEVENTY-SECOND ANNUAL REPORT.

The Trustees of the Hospital feel deeply the loss to the Hospital caused by the death of its long-tried and able Resident Physician.

Dr. Whittemore served the Hospital in this capacity for ten years; and during the whole period of his service, won the respect and sincere friendship of all those connected in any way officially with the Institution, as well as the lasting gratitude of its many patients and employés.

The following resolutions were passed at a meeting of the Trustees, held Jan. 9, 1886: —

The death of Dr. Whittemore is deeply felt by the Trustees. They recall the high qualities which fitted him for the service of this Institution, and which, in his long connection with it, were constantly ripening. His energy, his quick response to every call made upon him, his administrative ability, his seizure of every opportunity to advance the work under him, his independence, his sympathy, and his comprehensive grasp of the interests in his charge — alike those of patients, attendants, nurses, officers, staff, and Corporation — were easily recognized by all his associates.

He served the Hospital and the Asylum for twenty years, half this time as Resident Physician of the Hospital. Each year of his administration has borne witness to his power and fidelity. Always ready to suggest improvements and to receive the suggestions of others, he carried out a plan once determined with signal ability.

The loss of his devotion to the Hospital is not to be measured by words. It is to be appreciated hereafter even more than at present, and yet there is no one of us even now but fully shares in the sorrow for his departure. Nor is thankfulness wanting, both for the honorable career that has been fulfilled and for the peaceful ending of sufferings and anxieties, borne with a cheerful fortitude beyond all praise.

His memory will long be cherished by the officers, patients, and friends of the Hospital which he loved and faithfully administered to the very close of his life.

The Medical and Surgical Staff remains the same as last year, with the exception of the loss of Dr. R. M. Hodges from the Surgical Staff, whose resignation has just been accepted by the Trustees with great regret.

The following resolutions were passed by the Trustees at the meeting when his resignation was accepted: —

As is well known to this Board, Dr. Hodges has twice offered his resignation and as often withdrawn it at the earnest request of the Board. The Trustees feel that they ought no longer to resist his repeated wish that the resignation be accepted; since they understand that the Service which has reflected so much honor on the Hospital has long made too great encroachments on time demanded by private professional duties. Dr. Hodges was elected to the Board of Visiting Surgeons in 1863, succeeding the late Dr. Townsend. It is unnecessary to say how highly the Trustees have appreciated his untiring and efficient devotion. They desire to express their profound regret that the time has come when they must reluctantly yield to his wish. They offer him hearty thanks for his eminently kindly and skilful Service.

The Staff at the Asylum remains the same, with the exception of the election of Dr. J. W. Babcock as Second Assistant Physician in place of Dr. Baldwin, who resigned.

The Training School for Nurses at the Asylum is now in good working order, and bids fair to supply a long-felt want.

The Gay Building has proved of great comfort and value to the Out-patient Department. One sanitary tower has been completed, containing all the bath-rooms and water-closets for the wards on the north side of the main building, and will free those wards from all possible taint from bad drainage. The other tower will undoubtedly be built before another year has passed.

The Hurd Building (so named because built by money left the Hospital by Mr. Francis H. Hurd) for nurses at the Asylum, has just been completed and will add much comfort to the nurses in that Institution. Mr. Morrill felt obliged to resign as Trustee of the Hospital, much to the regret of the other members of the Board; and Mr. Thornton K. Lothrop was elected to fill his place.

During the year, fire-escapes have been put on the Ladies' Appleton as well as on the other buildings at Somerville, which were not considered properly guarded in this respect.

The accounts of the Treasurer for 1885, together with the assets of the Corporation, have been examined and found to be correct.

The Trustees gratefully acknowledge the following donations and legacies:—

Bequest of Francis H. Hurd.	$10,030.56
Donation of Mrs. Lydia P. Proctor, for the Beneficiaries at the Asylum, ...	1,000.00
Part of bequest of M. P. Sawyer, income to belong to Free Bed Fund, ...	16,233.15
Donation of H. S. Teschmaker, ...	100.00
Donation of E. R. Hoar, ...	100.00
Donation of J. A. and A. P. Rockwell, ...	150.00
Donation of "Francis," for Convalescent Home, ...	40.00

The subscription to the Free Bed Fund this year has amounted to $9,450, a falling off from past years. The Trustees take this opportunity to suggest to the many friends of the Hospital that money for this object was never more needed than now. The amounts required for subscription to free beds are for one year, $100; for one life, with right upon nomination, to extend it to two lives, $5,000; for railroad corporations, for use of one bed for twenty years, $5,000; ditto for one year, $500: all subject to the Rules of the Hospital.

The Trustees desire to inform the friends of the Hospital as well as the public, that children are always welcomed as patients. Their presence in a ward not only does good in many ways to the older patients who are fortunate enough to be in the same room with them, but it is also believed that better results to the children are attained by having some older patients among them.

The Convalescent Home is increasing its work in a way most satisfactory to the Trustees but the public do not make as much use of it as was hoped for. The Home was not built solely for patients from the Massachusetts General Hospital but for convalescents from any other hospital, hotels, boarding houses, or from private houses, where quiet and rest, with fresh country air, with good food, could not easily be procured.

From the appended report of the Superintendent, it will be seen that the average number of patients in the Hospital was 167, of whom the average number of 150 had free beds.

The whole number of patients admitted for the year was 2,327.

The whole number of patients treated in the Outpatient Department was 13,814.

The Trustees are anxiously looking forward to the time when they can commence the asylum buildings on their new grounds at Waverley, to which, during the last year, some forty acres have been added by purchase.

The Trustees again thank the lady visitors and other kind friends of both Institutions who have cheered so many patients by their kind words and attentions. Not the least of these has been the music by the choir in the wards, on Sunday afternoons.

The reports of the Superintendents of both Institutions, the Treasurer's report and that of the Outpatient Department are appended.

At the last meeting of the Board for the year, the following minute was adopted: —

Mr. Kidder has been a Trustee for fourteen years. His qualifications for honorable and helpful duty in this office were numerous and striking. His kindliness, his good judgment, his mastery of broad administrative measures as well as of the details essential to all administration, his power to meet emergencies, signally shown in defending the Hospital against threatened injury from high quarters a few years since,— these and many other admirable personal traits were enhanced by the strong position he held in the community as a man of remarkable success, and not only financial, but moral and philanthropic success. The Governor and Council could have selected no more fitting representative of the Commonwealth in this Institution which bears its name. He stood for both the intelligence and the humanity of Massachusetts; and he brought both into the service of the Hospital, to its lasting advantage.

His fellow Trustees reverently acknowledge their very great obligations and those of all associated in the work of the Hospital, to their departed friend. His memory and his example remain untouched by death.

E. F. BOWDITCH,
CHARLES V. BEMIS, } *Committee.*

Massachusetts General Hospital,
Feb. 3, 1886.

REPORT OF THE TREASURER

OF THE

MASSACHUSETTS GENERAL HOSPITAL.

TO THE BOARD OF TRUSTEES:

Gentlemen,— In accordance with the Fifth Article of the By-Laws, the report of the accounts of the Massachusetts General Hospital, made up to the last day of December, 1885, is respectfully submitted, to be laid before the Corporation at its annual meeting.

Dr. FRANKLIN HAVEN, Jr., *Treasurer, in account with the* MASSACHUSETTS GENERAL HOSPITAL. *Cr.*

To Balance Cash on hand,	$11,298.07	By Cash paid Insurance,	$1,555.50
" Railroad Bonds sold,	13,537.50	" " " Annuitants,	1,586.00
" Union League Bonds paid,	3,000.00	" " " Annual Report, 1884,	339.33
" Delaware Mutual Ins. Co. Scrip paid,	365.00	" " " Improvements at Belmont,	5,274.62
" Notes receivable,	50,916 67	" " " Expenses of Hospital,	104,140.46
" Donations and legacies,	27,483.71	" " " Expenses of Asylum,	140,278.86
" One-third profits Mass. Hospital Life Ins. Co.,	5,000.00	" " " Account H. Wilson,	477.40
" Income from investments,	97,911 71	" " " Expenses of Convalescent Home,	7 777.70
" Board of paying patients at Asylum,	140,308.60	" " " Sanitary Tower at Hospital,	9,407.11
" Board of paying patients at Hospital,	16,675.50	" " " Hurd Building and Heating Apparatus,	10,030.56
" Board of paying patients at Convalescent Home,	68.00	" " " Investments,	86,818.75
" Amount received account H. Wilson, as per contract,	11,100.00	" " " Library,	281.20
" Subscribers for Free Beds ($3,500 received for this purpose in 1884),	5,950.00	" " " Wooden legs,	425.00
" Subscribers for Free Beds for 1886 in advance,	4,900.00	" " " Premiums,	2,713.81
" Edward Cowles, Superintendent, balance in account,	894.49	" " " Warren prizes,	10.00
" James H. Whittemore, Resident Physician, balance in account,	1,348.10	" Balance Cash on hand,	19,766.05
" A. W. Folsom,	125.00		
	$390,882.35		$390,882.35

The expense of carrying on the business of the Corporation for the year 1885 has been $252,197.02, namely: —

On account of Hospital Department, . . .	$104,140.46	
" " " McLean Asylum, ...	140,278.86	
" " " Convalescent Home, ...	7,777.70	
		$252,197.02
The amount charged to patients was, . . .	$157,052.10	
Income from various funds applicable, . . .	95,443.91	
		252,496.01
Leaving balance to credit of General Fund, ...		$298.99

The receipts at the McLean Asylum exceeded the expenses $9,460.50, which amount has been credited to the General Fund; while the expenses at the Hospital have exceeded the receipts by $8,833.03, and at the Convalescent Home by $328.48, making net balance added to the General Fund $298.99, as above.

TABLE No. 1.

HOSPITAL DEPARTMENT.

Expenses and receipts for the year 1885: —

Expenses at the Hospital (see Table 4), . .	$104,140.46

Receipts.

Income from Redman Fund (see Table 7), .	$25,395.30
" " Free Bed Funds (see Table 7), .	30,904.17
" " Funds, income unrestricted (see Table 7), ...	2,232.00
" " General Fund (see Table 7), .	10,650.46
" " Free Bed Subscriptions (see Table 8), ...	9,450.00
Amount charged to patients, ...	16,675.50
Deficit from General Fund, ...	8,833.03
	$104,140.46

TABLE No. 2.

McLEAN ASYLUM.

Expenses and receipts for the year 1885: —

Expenses at the Asylum (see Table 5), . . .	$140,278.86

Receipts.

Income from Fund for Beneficiaries, ...	$4,129.76
" " " " Female Beneficiaries, .	4,743.00
" " Amusement Fund, ...	558.00
Amount charged to patients, ...	140,308.60
	$149,739.36
Balance of Receipts over Expenses credited to the General Fund, ...	9,460.50

TABLE No. 3.

CONVALESCENT HOME.

Expenses and receipts for the year 1885: —

Expenses at Convalescent Home (see Table 6),	$7,777.70

Receipts.

Income from Convalescent Home Fund, . .	$7,381.22
Amount charged to patients, ...	68.00
Deficit from General Fund, ...	328.48
	$7,777.70

TABLE No. 4.

Expenses of the Hospital Department: —

For Stores, ...	$38,360.54
Gas and Oil, ...	2,698.40
Water and Ice, ...	3,005.32
Wages, ...	27,760.65
Medicine.	2,824.43
Furniture.	5,884.31
Surgical Instruments.	1,410.14
Stationery, ...	766.28
Wines and Liquors, ...	2,571.82
Salaries, ...	5,279.00
One-half General Expenses, ...	931.45
Fuel, ...	7,717.64
Contingencies, ...	1,087.74
Repairs, ...	3,842.74
	$104,140.46

These expenditures have been for account of: —

1,910 Free Patients for 7,800 weeks, ...	$93,411.59	
417 Paying Patients for 884 weeks, ...	10,728.87	
		$104,140.46
The average number of patients was, in 1884,	161	
The average number of patients has been, in 1885, ...	167	
The average cost per week was in 1884, 8,378 weeks, ...	$14.75	
The average cost per week has been, in 1885, 8,684 weeks, ...	12.00	
The total expenses were, in 1884, ...	123,430.31	
The total expenses have been, in 1885, . . .	104,140.46	
The amount paid for account of free patients has been, ...		$93,411.59

The amount received for them has been: —

From Income of Free Bed Funds, . . .	$30,904.17	
From 82 Subscribers for this object (see Table 8), ...	9,450	
		40,354.17
		$53,057.42

The deficiency has been drawn in part from the income of the various funds applicable to the purpose, and the remainder from the General Fund.

TABLE No. 5.

EXPENSES OF THE ASYLUM DEPARTMENT.

For Stores, ...	$41,194.17
Laundry, ...	9,199.96
Fuel, ...	6,471.70
Stationery, ...	402.27
Medicines and Liquors, ...	2,714.94
Contingencies, ...	3,239.53
Furniture, ...	6,858.03
Repairs, ...	14,102.08
Diversions, ...	1,570.80
Water and Ice, ...	3,060.88
Lights, ...	2,978.91
Wages, ...	30,410.26
Amount carried forward, ...	$122,203.53

Amount brought forward,	$122,203.53	
Salaries,	8,058.30	
One-half General Expenses,	931.45	
Library,	450 00	
Stables,	4,805.81	
Garden,	3,205.01	
Lynn Cottage,	2,564.28	
		$142,218.38
Less Cr. Clothing, $397.92; Farm, $1,541.60.		1,939.52
		$140 278.86

These expenditures have been for account of: —

Patients paying cost and more,		$45,842.67
Patients paying less than cost,		94,436.19
The average number of patients was, in 1884,	166	
The average number of patients has been, in 1885,	171	
The average cost per week was, in 1884,	$16.00	
The average cost per week has been, in 1885,	15.72	
The total expenses were, in 1884,		139.201.75
The total expenses have been, in 1885,		140.278.86
The amount expended at the Asylum for patients who have paid less than cost has been,		$94,436.19
The amount received has been: —		
From patients, 6,003 4-7 weeks' board at less than cost,	$50,622.84	
Income of Funds for Beneficiaries,	4,129.76	
Income of Funds for Female Beneficiaries,	4 743 00	
Income of Amusement Fund,	558.00	
		60,053.60
		$34,382.59

The deficiency has been drawn in part from patients paying more than cost, and the remainder from funds applicable to the purpose.

TABLE No. 6.

EXPENSES OF THE CONVALESCENT HOME.

For Stores,	$3,728.01
Gas and Oil,	48.67
Furniture,	88.52
Wages,	2,170.84
Fuel,	566.86
Amount carried forward,	$6 602.90

Amount brought forward,		$6,602.90
Ice,		96.62
Repairs,		540.52
Contingencies,		526.66
Stationery,		11.00
		$7,777.70

Whole number of patients admitted during the year, males,	146	
Whole number of patients admitted during the year, females,	169	
		315
Whole number discharged during the year,		318
Remaining, Jan. 1, 1886, males,	6	
Remaining, Jan. 1, 1886, females,	7	
		13

TABLE No. 7.

INCOME FROM INVESTMENTS.

From Annuities Receivable,	$6,400.00
City Bonds,	213.89
United States Bonds,	200.00
Mass. Hospital Life Ins. Co. Stock,	4,000.00
Railroad Bonds,	30,664.39
Manufacturing Stocks,	3,330.00
Bank Stocks,	4,045.00
Real Estate, Productive,	26,705.50
Notes Receivable,	19,301.52
Union League Club Bonds,	450.00
Interest,	679.51
Delaware Mutual Ins. Co.'s Scrip, Interest,	21.90
Railroad Stocks,	1,900.00
	$97,911.71

Which has been distributed as follows: —

To G. H. Gay Fund,			$289.82
Redman Fund,			25,395.30
Warren Prize Fund,			167.40
Bowditch History Fund,			111.60
Wooden Leg Fund,			279.00
Redman Annuities,			936.00
Clara Barton Annuity,			180.85
Surgical Instrument Fund,			75.33
Amusement Fund,			558.00
Free Bed Funds,	for use,	$30,904.17	
	for Joy Annuitants,	700.00	31,604.17
Amount carried forward,			$59,597.47

Amount brought forward,	$59,597.47
Beneficiaries at Asylum Funds,	4,129.76
Warren Library Fund,	55.80
Treadwell Library Fund,	279 00
One-half Lincoln Fund,— Female Beneficiaries,	4,743.00
Funds with Income Unrestricted,	2,232.00
General Fund,	10,650.46
Convalescent Home Fund,	7,381.22
Asylum Building Fund,	8,843.00
	$97,911.71

The Income for 1883 was,	$92,609.14
The Income for 1884 was,	97,711.45
The Income for 1885 has been,	97,911.71

TABLE No. 8.

SUBSCRIBERS TO FREE BEDS FOR 1885.

William Amory,	$100	*Brought forward*,	$4,200
C. W. Amory,	100	Miss Eliza Goodwin,	100
Boston & Lowell R.R. Co.,	300	R. C. Greenleaf,	100
Boston & Providence R.R. Co.,	100	W. O. Grover,	100
Sidney Bartlett,	100	W. W. Greenough,	100
J. P. Bradlee,	100	George Higginson,	100
Mrs. E. A. Bowditch,	200	R. W. Hooper,	100
J. L. Bremer,	100	Miss Eunice Hooper,	100
Miss Brewer,	100	George D. Howe,	100
Martin Brimmer,	100	Hoosac Tunnel Dock & Elevator Co.,	100
P. C. Brooks, Jr.,	100	Samuel Johnson,	100
Shepherd Brooks,	100	Mrs. Charlotte A. Johnson,	100
Mrs. Laura M. Case,	100	Henry P. Kidder,	200
T. Jefferson Coolidge,	100	Amory A. Lawrence,	100
J. T. Coolidge, Jr.,	100	Mrs. Anna C. Lodge,	100
Mrs. J. G. Cushing,	100	Theodore Lyman,	100
G. S. Curtis,	100	W. Powell Mason,	100
J. Randolph Coolidge,	100	Ida M. Mason,	100
Cambridge R.R. Co.,	100	Mass. Humane Society,	200
F. Gordon Dexter,	100	Charles Merriam,	100
Mrs. C. H. Dalton,	100	Mrs. Caroline Merriam,	100
George Dexter,	300	C. J. Morrill,	100
Stephen G. Deblois,	100	Misses M. C. and H. K. Mixter,	100
Samuel Eliot,	100	Old Colony R.R. Co.,	100
William Endicott, Jr.,	100	Pacific Mills Relief Society,	100
John Foster,	100	F. H. Peabody,	100
H. H. Fay,	100	W. D. Pickman,	100
Sarah S. Fay,	200	A. L. Rotch,	100
Joseph S. Fay,	100	H. B. Rogers,	100
Fitchburg R.R. Co.,	200	Henry Saltonstall,	100
George A. Gardner,	100	F. R. Sears,	100
John L. Gardner,	200	J. P. Squire & Co.,	200
Joseph B. Glover,	100	Mrs. G. H. Shaw,	100
Mrs. Ozias Goodwin,	100		
Carried forward,	$4,200	*Carried forward*,	$7,700

Brought forward, . . .	$7,700	*Brought forward*, . . .	$8,700
H. S. Shaw, ...	100	Otis E. Weld, ...	100
Nathaniel Thayer, . . .	200	Henry Woods, ...	100
E. N. R. Thayer, ...	100	Miss Anne Wigglesworth,	200
J. E. Thayer, ...	100	J. Huntington Wolcott, .	100
Bayard Thayer, ...	100	Mrs. T. L. Winthrop, . .	100
W. W. Tucker, ...	100	Dr. J. A. and A. R. Rockwell (donation), . . .	150
George W. Wales, . . .	100		
Charles E. Ware, ...	100		
R. C. Winthrop, Jr., . .	100		$9,450
Carried forward, . . .	$8,700		

Total Free Bed Subscriptions (89) in 1884, ...	$10,056
Total Free Bed Subscriptions (82) in 1885, ...	9,450

TABLE No. 9.

TREADWELL LIBRARY FUND.

Balance, Dec. 31, 1884: —		
Principal, ...	$5,000.00	
Income, ...	220.20	
		$5,220.20
Amount of income received, ...	$279.00	
Amount of income expended, ...	281 20	
		2 20
		$5,218.00
Balance, Dec. 31, 1885: —		
Principal, ...	$5,000.00	
Income, ...	218.00	

TABLE No. 10.

WOODEN LEG ACCOUNT.

Balance, Dec. 31, 1884: —		
Principal, ...	$5,000.00	
Income, ...	824.69	
		$5,824.69
Amount of income received, ...	$279.00	
Amount of income expended, ...	425.00	
		146.00
		$5,678.69
Balance, Dec. 31, 1885: —		
Principal, ...	$5,000 00	
Income, ...	678.69	
		$5,678.69

TABLE No. 11.

THE BOWDITCH HISTORY FUND.

Balance, Dec. 31, 1884: —		
Principal,	$2,000.00	
Income,	1,533.93	
		$3,533.93
Amount of Income received,	$111.60	
Amount of Income expended,	339.33	
		227.73
		$3,306.20
Balance, Dec. 31, 1885: —		
Principal,	$2,000.00	
Income,	1,306.20	
		$3,306.20

TABLE No. 12.

GENERAL FUND.

Balance, Dec. 31, 1884,	$1,123,596.64	
Add one-third profits of Mass. Hospital Life Ins. Co.,	5,000.00	
Add amount received account of H. Wilson,	11,100.00	
Add amount from A. W. Folsom,	125.00	
Balance of income over expenses,	298.99	
		$1,140,120.63
Less balance of Insurance Account,	$1,555.50	
Less balance of premiums paid for Stocks and Bonds,	2,713.81	
Less amount charged account H. Wilson,	477.40	
Balance, Dec. 31, 1885,	1,135,373.92	
		1,140,120.63

TABLE No. 13.

RESTRICTED FUNDS.

Income devoted to Free Beds: —

The Joy Fund, being a bequest from Miss Nabby Joy,	$20,000.00
Belknap Fund, being a bequest from Jeremiah Belknap,	10,000.00
Wm. Phillips Fund, being a bequest from Wm. Phillips,	5,000.00
Williams Fund, being a bequest from John D. Williams, of estate No. 17 Blackstone Street,	19,600.00
Amount carried forward,	$54,600.00

Amount brought forward, ...	$54,600.00
Bromfield Fund, being half of a bequest from John Bromfield, ...	20,000.00
Miss Townsend Fund, being a donation from the Executors of the will of Miss Mary P. Townsend, ...	11,486.50
Brimmer Fund, being a bequest from Miss Mary Ann Brimmer, ...	5,000.00
Wilder Fund, being a bequest from Charles W. Wilder, ...	12,000.00
Sever Fund, being a bequest from Miss Martha Sever, ...	500.00
Thompson Fund, being a bequest from S. B. Thompson, ...	500.00
Tucker Fund, being a bequest from Miss Margaret Tucker, ...	3,312.37
Davis Fund, being a bequest from Mrs. Eleanor Davis, ...	900.00
Loring Fund, being a bequest from Abigail Loring, ...	5,000.00
Nichols Fund, being a bequest from B. R. Nichols, ...	6,000.00
Gray Fund, being a donation from John C. Gray, ...	1,000.00
Dowse Fund, being a bequest from Thomas Dowse, ...	5,000.00
Todd Fund, being a bequest from Henry Todd, ...	5,000.00
J. Phillips Fund, being a bequest from Jonathan Phillips, ...	10,000.00
Greene Fund, being a bequest from Benj. D. Greene, ...	5,000.00
Percival Fund, being a bequest from John Percival, ...	950.00
Pickens Fund, being a bequest from John Pickens, ...	1,676.75
Treadwell Fund, being part of a bequest from J. G. Treadwell, ...	38,703.91
Raymond Fund, being a bequest from E. A. Raymond, ...	2,820.00
Harris Fund, being part of a bequest from Charles Harris, ...	1,000.00
Mason Fund, being a bequest from Wm. P. Mason, ...	9,400.00
Sawyer Fund, being part of a bequest from M. P. Sawyer, ...	7,000.00
J. L. Gardner Fund, being a donation from J. L. Gardner.	20,000.00
Amount carried forward, ...	$226,849.53

Amount brought forward, ...	$226,849.53
B. T. Reed Fund, being a donation from Benj. T. Reed, ...	1,000.00
Wm. Reed Fund, being a bequest from Wm. Reed, ...	5,233.92
McGregor Fund, being half of a donation and bequest from James McGregor, .	7,500.00
Miss Rice Fund, being a bequest from Miss Arabella Rice, ...	5,000.00
Templeton Fund, being half of a bequest from John Templeton, ...	5,000.00
Mrs. J. H. Rogers Fund, being a donation from J. H. Rogers, ...	1,177.50
Beebe Fund, being a bequest from J. M. Beebe, ...	50,000.00
Lincoln Fund, being half of a bequest from Mrs. F. W. Lincoln, ...	85,000.00
Blanchard Fund, being a bequest from Mrs. M. B. Blanchard, ...	4,000.00
George Gardner Fund, being a donation from George Gardner, ...	1,000.00
Hemenway Fund, being a donation from the Executors of the will of Augustus Hemenway, ...	20,000.00
Jessup Fund, being part of a bequest from Dr. Chas. A. Jessup, ...	1,000.00
Tufts Fund, being a bequest from Quincy Tufts, ...	10,000.00
Read Fund, being half of a bequest from Jas. Read, ...	1,000.00
Parker Fund, being a bequest from Jno. Parker, Jr., ...	10,000.00
Miss Shaw Fund, being a donation and bequest from Miss M. Louisa Shaw, .	5,500.00
Eliza Perkins Fund, being a donation from Mrs. H. B. Rogers, ...	1,000.00
Dwight Fund, being a donation from Mrs. T. Bradford Dwight, ...	1,000.00
Hunnewell Fund, being a donation from H. H. Hunnewell, ...	10,000.00
R. M. Mason Fund, being a bequest from R. M. Mason, ...	5,000.00
Anna Lowell Cabot Fund, being a donation from Dr. Samuel Cabot, . . .	1,000.00
Welles Fund, being a donation from Miss Jane Welles, ...	5,000.00
Black Fund, being a bequest from Miss Marianna Black, ...	2,000.00
Amount carried forward, ...	$464,260.95

Amount brought forward, ...	$464,260.95	
Eben Wright Fund, being an assignment of legacies by the children of T. Jefferson Coolidge, ...	14,000.00	
Paraclete Holmes Fund, being a donation from W. S. Adams, ...	2,000.00	
Estabrooks Fund, being a bequest from J. W. Estabrooks, ...	1,000.00	
The Thayer Fund, being a bequest from Nathaniel Thayer, ...	30,000.00	
Sawyer Fund, being part of a bequest from M. P. Sawyer, ...	46,355.83	
Ann E. Gray Fund, being a bequest from Miss Ann E. Gray, ...	5,000.00	
John Bertram Fund, being a donation from Mrs. Clara Barton Kimball, .	5,000.00	
		$567,616.78

Income devoted to beneficiaries at Asylum: —

The Bromfield Fund, being half of a bequest from John Bromfield, ...	$20,000.00	
Read Fund, being half of a bequest from Jas. Read, ...	1,000.00	
Appleton Fund, $10,010 being a bequest from Samuel Appleton, $20,000 being a donation from Wm. Appleton, . .	30,010.00	
McGregor Fund, being half of a donation and bequest from James McGregor, .	7,500.00	
Austin Fund, being part of a bequest from Mrs. Agnes Austin, ...	5,000.00	
Kittredge Fund, being a bequest from Rufus Kittredge, ...	5,500.00	
Templeton Fund, being half of a bequest from John Templeton, ...	5,000.00	
Proctor Fund, being a bequest from Mrs. Lydia P. Proctor, ...	1,000.00	
		75,010.00
		$642,626.78

Income devoted to Female Beneficiaries at Asylum: —

The Lincoln Fund, being half of a bequest from Mrs. F. W. Lincoln, ...	$5,000.00
Amount carried forward, ...	$727,626.78

Amount brought forward, ...	$727,626.78
Income unrestricted: —	
The Waldo Fund, being a bequest from Daniel Waldo, ...	40,000.00
Income devoted to any purpose except buildings: —	
The Redman Fund, being a bequest from John Redman, ...	455,113.34
Income devoted to a Triennial Prize: —	
The Warren Prize Fund, being a bequest from Dr. J. M. Warren, ...	3,000.00
Income devoted to the Library: —	
The Treadwell Library Fund, being part of a bequest from J. G. Treadwell, . . .	5,000.00
Income devoted to Books for Patients: —	
The Warren Library Fund, being a donation from Dr. J. C. Warren, ...	1,000.00
Income and Principal devoted to the publication of a History of the Hospital: —	
The Bowditch History Fund, being a bequest from N. I. Bowditch, ...	2,000.00
Income devoted to Amusements at the Asylum: —	
The Amusement Fund, $5,000 being a bequest from Miss Mary Louisa Shaw, $5,000 being a donation from Mrs. Quincy A. Shaw and other Ladies, ...	10,000.00
Amount carried forward, ...	$1,243,740.12

Amount brought forward, ...		$1,243,740.12
Income devoted to Special Surgical Instruments: —		
The Surgical Instrument Fund, being a donation from Dr. H. J. Bigelow, $1,250; donation of Mr. R. M. Moore, $100, .		1,350.00
The Wooden Leg Fund: —		
Being a bequest from N. I. Bowditch, . . .		5,000.00
The Convalescent Home Fund, .		132,260.66
Permanent Free Beds: —		
Miss Marian Hovey, ...	$1,000.00	
Mrs. Fanny H. Morse, ...	1,000.00	
Henry S. Hovey, ...	1,000.00	
Edward Woodman, ...	1,000.00	
Children of Mrs. Henry Windsor, ...	1,000.00	
D. R. Whitney, ...	1,000.00	
George Gardner, ...	1,000.00	
		7,000.00
Redman Annuities, ...		15,600.00
Clara Barton Annuity, ...		3,241.00
Asylum Building Fund, ...		167,320.10
G. H. Gay Fund, ...		5,483.91
Add unused income at credit of		
Warren Prize Fund, ...	$579.92	
Warren Library Fund, ...	522.92	
Bowditch History Fund, ...	1,306.20	
Surgical Instrument Fund, ...	1,317.66	
Wooden Leg Fund, ...	678.69	
Treadwell Library Fund, ...	218.00	
Clara Barton Annuity, ...	299.29	
		4,922.68
Total of Restricted Funds, ...		$1,585,918.47

TRIAL BALANCE, 1885.

Dr.		*Cr.*	
Land and Buildings for Asylum,	$320,794.75		
Land and Buildings for Hospital,	520,008.53		
Land and Improvements at Belmont,	70,274.35		
Annuities Receivable,	160,000.00		
Insurance Stock,	50,000.00		
Reversions (see "Suspense" on Cr. side),	10.00		
Delaware Mutual Insurance Company's Scrip,	520.00		
Union League Club Bonds,	6,000.00		
Manufacturing Stocks,	43,400.00		
Bank Stocks,	78,200.00		
Railroad Stocks,	25,000.00		
Railroad Bonds,	541,400.00		
Notes Receivable,	405,683.33		
City Bonds,	6,000.00		
United States 4% Bonds,	10,000.00		
Real Estate Productive,	407,366.64		
Gay Building,	21,225.83		
Edward Cowles, Superintendent,	32,111.99		
J. H. Whittemore, Resident Physician,	2,803.81		
Sanitary Tower Hospital,	9,407.11		
Cash,	19,766.05		
	$2,729,972.39		
Redman Fund,		$455,113.34	
Warren Prize Fund,		3,000.00	$579.92
Bowditch History Fund,		2,000.00	1,306.20
Wooden Leg Fund,		5,000.00	678.69
Clara Barton Annuity,		3,241.00	299.29
Surgical Instrument Fund,		1,350.00	1,317.66
Annuseement Fund,		10,000.00	
Free Beds Fund,		567,816.78	
Warren Library Fund,		1,000.00	522.92
Beneficiaries at Asylum Fund,		75,010.00	
Treadwell Library Fund,		5,000.00	218.00
Lincoln Fund,		85,000.00	
Funds with Income Unrestricted,		40,000.00	
Permanent Free Beds,		7,000.00	
Suspense (see "Reversions" on Dr. side),		10.00	
Notes Payable,		3,500.00	
Asylum Building Fund,		167,320.10	
General Fund,		1,135,373.92	
G. H. Gay Fund,		5,483.91	
Convalescent Fund,		132,280.66	
Subscribers to Free Beds, 1886,		4,900.00	
Redman Annuities,		15,600.00	
Joy Annuitants, 1885,		50.00	
		$2,725,049.71	$4,922.68
		4,922.68	
		$2,729,972.39	

Property on hand belonging to the Corporation invested as follows: —

INVESTMENTS PRODUCING NO INCOME.

Asylum:	Land and Buildings occupied for Asylum.	$320,794.75	
	Superintendent's balance, . . .	32.111.99	
			$352,906.74
Hospital:	Land and Buildings occupied for Hospital, ...	$520,008.53	
	Gay Building, ...	21,225.83	
	Sanitary Tower, ...	9,407.11	
	Resident Physician's balance, . .	2,803.81	
			553,445.28
Convalescent Home:	Land and Buildings at Belmont.		70,274.35
	Memorandum of expectancies, . .		10.00
			$976,636.37

INVESTMENTS PRODUCING INCOME.

Policies Mass. Hospital Life Ins. Co., ...	$160,000.00
500 shares Mass. Hospital Life Ins. Co..	50,000.00
$4,000 City of Boston Bonds, ...	4,000.00
$50,000 Eastern Railroad Co.'s Bonds, ...	50,000.00
$20,000 Kansas City & Cameron Railroad Bonds, ...	20,000.00
$5,000 Boston & Albany Railroad 7 per cent. Bonds, . .	5,000.00
$100,000 Chicago, Bur. & Quincy R.R. 7 per cent. Bonds, .	100,000.00
$22 000 Chicago, Bur. & Quincy R.R. 5 per cent. Bonds, .	22,000.00
$10,000 Chicago, Bur. & Quincy 4 per cent. Bonds, . . .	10,000.00
$6,000 Union League Club Bonds, ...	6,000.00
$100,000 Atch., Topeka & Santa Fé R.R. 7 per cent. Bonds,	100,000.00
$100,000 Atch., Top. & Santa Fé R.R. 4 1-2 per cent. Bonds,	100,000.00
$1,000 Atch., Topeka & Santa Fé R.R. 6 per cent. Bond, .	1.000.00
$47,400 Bur. & Mo. River in Neb. R.R., Non-ex. 6 per cent. Bonds, ...	47,400.00
$10,000 Bur. & Mo. River in Neb. R.R., Exempt 6 per cent. Bonds, ...	10,000.00
$10,000 Atchison Land Grant 7 per cent. Bonds, ...	10.000.00
$10,000 Kansas City, Topeka & Western R.R. 1st Mortgage 7 per cent. Bonds, ...	10,000.00
$6 000 Cedar Rapids & Mo. River R.R. 7 per cent. Bond, .	6,000.00
$5,000 Bur., Cedar Rapids & Northern R.R. 5 per cent. Bonds,	5,000.00
$4,000 Ft. Scott, So. Eastern & Mem. R.R. 7 per cent. Bonds,	4,000.00
$15,000 Oregon Railway & Nav. Co. 7 per cent. Bonds, . .	15,000.00
Amount carried forward, ...	$735,400.00

Amount brought forward,	$735,400.00
$10,000 Fremont, Elkhorn & Mo. Valley 6 per cent. Bonds,	10,000.00
$16,000 Union Pacific Sinking Fund 8 per cent. Bonds,	16,000.00
$10,000 United States 4 per cent. Bonds,	10,000.00
$2,000 City of Providence 5 per cent. Bonds,	2,000.00
100 Shares Old Colony Railroad Co.,	10,000.00
150 " Boston & Albany Railroad Co.,	15,000.00
14 " Merrimack Manufacturing Co.,	14,000.00
1 " Appleton " "	1,000.00
9 " Amory " "	900.00
10 " Amoskeag " "	10,000.00
25 " Great Falls " "	2,500.00
5 " Boston " "	5,000.00
10 " Stark Mills " "	10,000.00
100 " National Union Bank,	10,000.00
100 " Suffolk National Bank,	10,000.00
70 " Tremont " "	7,000.00
50 " Old Boston " "	2,500.00
87 " State " "	8,700.00
100 " Columbian " "	10,000.00
100 " Merchants' " "	10,000.00
50 " New England National Bank,	5,000.00
40 " Massachusetts " "	10,000.00
50 " Eagle " "	5,000.00
Land and Store, 17 Blackstone Street,	19,600.00
" " " 168 Washington Street,	45,000.00
" " House, 61 Dartmouth Street,	10,000.00
Redman Mansion Estate, Washington Street,	106,000.00
Land and Houses on Warrenton Street,	17,700.00
" " Store, 496 Washington Street,	55,500.00
" " Houses on Chambers Street,	23,900.00
" " " " Cross Street,	12,691.64
" " House on Harrison Avenue,	9,975.00
Union Block, Union and Marshall Streets,	66,875.00
Robertson House, Hanover Street,	40,125.00
Notes secured by Mortgage,	200,100.00
$20,000 Notes Phila., Wilmington & Baltimore R.R. Co.,	20,000.00
Notes Receivable, Personal and Collateral Securities,	185,583.33
Delaware Mutual Ins. Co. Scrip,	520.00
Cash deposited in Bank,	19,766.05
Investments producing income,	$1,753,336.02
Investments producing no income,	976,636.37
Total, foot of Trial Balance,	$2,729,972.39

F. HAVEN, Jr., *Treasurer*.

TABLE OF THE EXPENSES OF THE HOSPITAL AND ASYLUM FOR TWENTY-FOUR YEARS,— 1862 TO 1885.

ORDINARY EXPENSES.

Year.	Cost of Paying Patients.	Cost of Free Patients.	Other Charities.	Total Expenses of		Average cost per week per patient.		Cost over Board.	
	Hospital.	Hospital.	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.
1862	$6,628.65	$35,072.01	$414.15	$42,114.81	$71,823.46	$6.04	$7.27	$36,260.92	$6,640 81
1863	6,151.27	40,575.14	695.30	47,421.71	69,300.63	6.66	6.98	41,109.46	2,170.56
1864	10,224.81	49,286.53	648.21	60,159.55	101,484.38	8.38	9.76	52,445.01	4,524.85
1865	23,119.62	34,131.83	717.35	57,968.80	120,885.84	9.86	12.49	43,124 53	9,567.86
1866	30,086.08	37,538.12	1,162 60	68,786.80	126,015.83	13.88	12.30	53,809.36	558.19
1867	26,086.67	33,758.02	1,164.53	61,009.22	133,844.14	11.28	13.84	44,291.54	
1868	23,663.50	42,481.71	1,419.26	67,564.47	142,535.36	12.74	16.51	52,893.02	14,642.07
1869	20,128.86	40,736.44	1,373.30	62,238.60	138,132.02	10.14	14.21	48,811.90	
1870	15,844.35	46,087.42	883.05	62,814.82	134,339.63	10.05	13.83	50,811.01	
1871	15,266.51	47,126.12	1,133.74	63,526.37	146,191.23	9.96	15.80	52,447.68	9,996 88
1872	12,664.70	56,537.74	1,497.86	70,700.30	153,327.60	10.10	16.93	59,547.91	14,917.57
1873	16,681.66	69,109.97	2,135.29	87,926.92	165,023.79	10.29	19.23	72,435.94	26,404.27
1874	14,198.41	64,266.27	2,634.60	81,099.28	161,934.11	10.13	19.59	67,548.81	2,750.66
1875	10,677.72	71,447.23	1,761.59	83,886.54	165,660.47	9.72	21.07	71,989.93	11,872.47
1876	11,344.58	82,033.60	1,312.94	94,691.12	164,973.80	9.41	19.72	82,027.86	13,019 51
1877	10,833.10	72,678.63	279.16	83,790.89	143,148.94	9.47	15.66	72,957.79	
1878	11,252.42	85,102.61	588.98	96,944.01	136,394.36	9.87	15.55	83,516.61	
1879	11,564.44	77,216.88	514 25	89,295.57	117,250.02	10.54	14.30	73,440.58	
1880	10,529.35	81,085.73	462.82	92,077.90	131,172.69	10.39	16.48	79,280.61	10,078.33
1881	13,462.12	88,241.17	450.51	102,153 80	134,561.14	11.87	16.92	88,268.68	20,719.30
1882	12,947.98	95,642.45	8,928.82*	117,519.25	138,518.26	12.43	17.02	95,684.95	18,172.21
1883	18,389.28	90,665.70	6,575.92*	115,630 90	139,711.39	12.63	16.16	91,213.57	5,376.89
1884	21,476.00	101,954.31	6,873.69*	130,304.00	139,201.67	14.75	16.00	107,974.18	2,612.02
1885	10,728.87	93,411.59	8,483.90*	112,624.36	140,278.86	11.99	15.72	87,464 96	
24 years, ...								$1,609,353.81	$173,963.45

* Including Convalescent Home.

Annual Report of the Resident Physician

of the

Massachusetts General Hospital.

For the Year 1885.

Number of Patients in the Hospital January 1, 1886.

Paying,	11
Free,	134
Total,	145

Admitted from January 1, 1885, to January 1, 1886.

	Males.	*Females.*	*Total.*
Patients paying board,	257	114	371
Patients paying board part of the time,	29	17	46
Patients entirely free,	1,184	726	1,910
	1,470	857	2,327

	Medical.	*Surgical.*
Males (Boys), 119,	482	988
Females (Girls), 63,	436	421
	918	1,409

Of these, 1 paid $49; 2 paid $42; 31 paid $35; 3 paid $28; 1 paid $25; 43 paid $21; 128 paid $14; 1 paid $10.50; 1 paid $10; 189 paid $7; 16 paid $5; 1 paid $4.

Whole number of patients treated during the year: paying, 382; paying a part of the time, 46; free, 2,044; total, 2,472.

Discharged during the Year.

	Medical.	*Surgical.*	*Male.*	*Female.*	*Total.*
Well,	547	1,037	1,015	569	1,584
Much relieved,	127	48	105	70	175
Relieved,	78	105	100	83	183
Not relieved,	26	47	46	27	73
Not treated,	45	84	83	46	129
Dead,	93	99	140	52	192
Insane and eloped,	1	12	11	2	13
	917	1,432	1,500	849	2,349

Number of Patients remaining December 31, 1885.

Males,	94
Females,	51
Total,	145
Paying,	11
Free,	134
Total,	145
Medical,	46
Surgical,	99
Total,	145

Proportion of deaths to whole number of results, 8.17 per cent.

Number of patients received on account of accidents, 443.

The greatest number of paying patients at any one time was 26; in private rooms, 8; the greatest number of free patients, 166; the greatest total, 184. The least number of paying patients at any one time was 10; in private rooms, 3; the least free, 130; the least total, 147. The proportion of ward beds occupied by free patients was 73 per cent.; by paying patients, 27 per cent. About 19.6 of the paying patients occupied private rooms. The average number of patients was 167: males, 96; females, 71.

The average number of paying patients was 17: Americans, 12; foreigners, 5.

The average number in private rooms was 5.6.

The average number of free patients was 150: Americans, 81; foreigners, 69.

The average time of paying patients was 2.38 weeks; and that of free patients, 4.08.

Residences.

Boston,	895
Massachusetts (excepting Boston),	1,303
Maine,	22
New Hampshire and Vermont,	42
Rhode Island and Connecticut,	15
Other States,	24
British Provinces,	26
	2,327

Birthplaces.

Boston,	182
Massachusetts (excepting Boston),	641
Maine,	131
New Hampshire,	70
Vermont,	28
Rhode Island and Connecticut,	26
New York,	44
Southern and Western States,	56
Total Americans,	1,178
British Provinces,	287
Great Britain,	160
Ireland,	592
Germany,	37
Norway and Sweden,	24
France,	8
Switzerland,	3
Italy,	16
Other places,	22
Total foreigners,	1,149

Occupations.

Males.	*Paying.*	*Free.*	*Partial.*
Mechanics,	51	280	7
Laborers,	28	463	13
Farmers,	16	14	3
Minors,	12	116	
Seamen,	15	34	1
Carried forward,	122	907	24

Males.	*Paying.*	*Free.*	*Partial.*
Brought forward,	122	907	24
Clerks,	28	102	
Teamsters,	2	30	1
Traders,	14	40	
Servants,	3	38	1
Lawyers,	1		
Clergymen,		3	
Physicians,	5	5	
Merchants,	35	13	
Students,	17	4	
Other professions,	30	82	3
	257	1,184	29

Total males, 1,470. Of these, 64 were in private rooms.

Females.	*Paying.*	*Free.*	*Partial.*
Domestics,	7	299	5
Minors,	6	74	1
Wives,	70	209	7
Widows,	4	33	1
Seamstresses,	2	21	
Spinsters,	4	4	
Operatives,	2	7	3
Teachers,	3	8	
Clerks,	2	10	
Nurses,	1	21	
Other professions,	13	40	
	114	726	17

Total females, 857. Of these, 20 were in private rooms.

Sixteen per cent. of the free patients were female domestics; twenty-five per cent. were laborers; fifteen per cent. were mechanics; and nine per cent. were minors.

Admissions Refused.

Phthisis (Consumption),	28
Syphilis,	17
Chronic Ulcers,	15
Scrofula and Abscesses,	12
Insanity and Delirium Tremens,	11
Hip and Spine,	23
Debility and Senility,	13
Carried forward,	119

Brought forward,	119
Chronic Rheumatism,	17
Paralysis,	18
Epilepsy,	2
Cancer,	14
Uterine,	15
Injuries,	9
Of Skin,	12
Contagious,	13
Other diseases,	80
Total,	299
Males,	183
Females,	116
Americans,	214
Foreigners,	85
Residents of Boston,	104
Residents of Massachusetts,	151
Residents of other places,	44

Out-patients.

Number of new patients,	17,016
Men,	7,716
Women,	6,694
Children,	2,606
Americans,	8,990
Foreigners,	8,026
Residents of Boston,	9,914
Of other places,	7,102
Medical department for women,	3,819
Medical department for men and children,	3,557
Surgical department,	5,568
Ophthalmic department,	3,053
Department for diseases of the skin,	4,901
Department for diseases of the nervous system,	2,750
Department for diseases of the throat,	3,076

Total attendance, 39,165.
Average daily attendance, 125.

Of the surgical cases there were: —

Incised wounds,	874
Genito-urinary,	704
Abscesses and inflamed glands,	524
Carried forward,	2,102

Brought forward,	2,102
Diseases of bone and periosteum,	519
Diseases and injuries of joints,	
Contusions,	501
New growths,	406
Fractures,	360
Ulcers,	297
Sprains,	229
Felons,	139
Hernia,	87
Rheumatism and Neuralgia,	82
Dislocations,	55
Burns,	41
Miscellaneous,	750
Total,	5,568

Number of applicants,	15,538
Number admitted,	14,610
Number refused,	499
Number sent to physician's office,	429
Number visited,	1,316
Number visited, correct statement,	753
Number visited, incorrect statement,	563

Convalescent Home:—

Admitted to the Home in 1883,	101
Admitted to the Home in 1884,	187

	Males.	*Females.*	*Total.*
Remaining Jan. 1, 1885,	8	8	16
Admitted during 1885,	146	169	315
Total,	154	177	331
Discharged,	148	170	318
Remaining Jan. 1, 1886,	6	7	13

The Young Men's Christian Union gave us eighty-five rides, taking out three hundred and forty-two patients.

Respectfully submitted,

JOHN W. PRATT,
Acting Resident Physician.

Boston, Jan. 1, 1886.

TABLE SHOWING THE COST OF THE PRINCIPAL STORES AT THE MASSACHUSETTS GENERAL HOSPITAL.

Articles.	1877.			1878.			1879.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity	Cost.	Average.
Beef, Sirloin, lbs.	9,100	$1,927.38	.2118	7,729	$1,610.72	.2084	8,375	$1,716.87	.205
" for Soup, "	560	23.80	.0425	132	5.28	.04			
" Corned, "	5,889	479.54	.0816	4,378	324.72	.07415	123	288.61	.07
" Round, "	9,327	805.85	.0864	11,944	1,016.43	.0851	12,973	1,054.70	.0813
" Rump, "	6,882	1,163.05	.169	4,158	635.34	.1528			
" Roasting, "	11,584	1,274.24	.11	14,998	1,349.82	.09	14,141	1,341.98	.0949
Mutton, . . "	18,416	2,509.04	.13624	15,808	1,903.28	.1204	12,592	1,385.12	.11
Poultry, . . "	13,509	2,475.65	.184	14,079	2,276.57	.1617	14,488	2,433.98	.168
Butter, . . . "	10,056	2,644.72	.263	10,156	2,500.40	.2462	10,526	2,589.39	.246
Eggs, . . doz.	4,608	967.68	.21	5,495	967.12	.176	4,392	843.26	192
Flour, . . bbls.	40	362.48	9.062	42	323.82	7.71	37	266.80	7.40
Bread, . . lbs.	34,343	1,717.15	.05	35,800	1,790.00	.05	36,556	1,827.80	.05
Ice, . . . tons.	180½	627.54	3.48	238½	808.25	3.333	271¾	714.70	2.63
Sugar, . . lbs.	10,592	982.88	.0928	12,979	1,023.65	.0781	15,462	1,189.32	.769
Tea, . . . lbs.	593	222.96	.376	738	254.61	.345	848	337.82	398
Milk, . . . qts.	97,594	4,879.70	.05	107,618	5,380.90	.05	96,186	4,934.34	.0513
Potatoes, . bush.	909	915.36	1.007	973	964.61	.77	942	1,010.76	1.073

Articles.	1880.			1881.			1882.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, Sirloin, lbs.	8,815	$1,692.99	.1941	8,658	$1,792.20	.207	7,856	$1,931.95	.245
" for Soup, "									
" Corned, "	4,952	346.64	.07	5,183	367.99	.07	6,522	673 76	.103
" Round, "	16,414	1,148.98	.07	19,477	1,636.06	.084	19,705	1,976.68	.103
" Rump, "									
" Roasting, "	16,439	1,643.90	.10	16,438	1,758.86	.107	16,221	2,159.07	.133
Mutton, . . "	15,542	1,876.60	.1208	21,093	2,720.99	.129	16,365	2,216.01	.135
Poultry, . . "	13,682	2,123.44	.1552	13,562	2,278.41	.168	12,082	2,348.41	.195
Butter, . . . "	11,011	3,366.06	.3057	11,129	3,505.63	.315	16,843	3,770.97	.221
Eggs, . . doz.	4,214	866.39	.2056	4,401	1,188.27	.26	5,234	1,470.59	.281
Flour, . . bbls.	51	440.15	8.65	49	468.73	9.565	49	459.25	9.937
Bread, . . lbs.	40,536	2,026.80	.05	4,892	1,744.60	.05	35,340	1,943.70	.055
Ice, . . . tons.	280¼	1,297.56	4.63	305	887.55	2.91	352¾	737.72	2.209
Sugar, . . lbs.	21,005	2,003.87	.0954	20,552	1,901.06	.09	22,192	2,021.57	.091
Tea, . . . lbs.	1,134½	471.95	.416	555	244.22	.44	1,114	446.85	.401
Milk, . . . qts.	89,904½	4,495.22½	.05	92,350	4,617.50	.05	95,358	5,007.70	.052
Potatoes, . bush.	1,039½	902.58	.868	981	1,101.66	1.125	1,005	1,374.72	1.368

Articles.	1883.			1884.			1885.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, Sirloin, lbs.	8,793	$1,975.38	.224	8,845½	$2,183.64	.246	9,543	$2,160.12	.226
" Corned, "	6,925½	670.88	.095	6,487	583.08	.09	6,345	561.45	.088
" Round, "	22,327	2,120.83	.095	25,821	2,531.60	.098	25,140	2,220.83	.08
" Rump, "									
" Roasting, "	16,962	2,047.78	.120	16,438	2,003.44	.121	17,220	1,936.58	.112
Mutton, . . "	21,075	2,999.89	.142	15,186½	2,102.29	.138	13,189	1,585.60	.1
Poultry, . . "	10,263	2,318.56	.225	12,798	2,523.79	.197	12,149	2,256.83	.185
Butter, . . "	10,468	3,329.97	.317	11,321	3,636.60	.32	11,417	3,368.27	.294
Eggs, . . doz.	5,479	1,491.60	.272	8,374	2,182.67	.26	9.4 3	2,328.48	.25
Flour, . . bbls.	52	406.00	7.80	53	383.25	7.23	55	341.85	6.21
Bread, . . lbs.	34,971	1,923.42	.055	36,245	1,992.48	.054	36,685	2,017.67	.055
Ice, . . . tons.	380 1/10	679.27	1.78	40,755	773.20	1.89	433 65/100	966.57	2.22
Sugar, . . lbs.	20,980	1,801.38	.086	22,474	1,563.49	.069	21,245	1,288.85	.06
Tea, . . . lbs.	1,074	432.60	.402	1,080	435.85	.403	853	341.70	.40
Milk, . . . qts.	106,032	5,637.78	.053	111,068½	5,907.26	.053	110,332	5,943.84	.053
Potatoes, . bush.	1,062½	1,129.15	1.063	1,195	1,005.25	.917	1,158	1,001.25	.942

Year.	Total admitted.	Whole number treated. Free.	Paying board all the time.	Paying part of the time.	Paying board.	Paying board part of time.	Free.	Discharged well.	Percentage on Total admitted.	Much relieved, or relieved in part.	Not relieved.	Not treated, unfit, dismissed, etc.	Deaths.	Percentage on Total admitted.	Greatest number free at one time.	Greatest number paying at one time	Greatest total.	Least total.	Average.	Accidents.	Percentage.	Average time of paying weeks.	Average time of free weeks.	Patients remaining under treatment Dec. 31. Paying.	Free.	Out-patients treated.
21 to 1843	8727	3733	4482	512				3991		2902	913	105	624		...		123	54								
1843	365	183	167	15				136	37	115	55	17	41	11		...	56	33	47*			4	6			
1844	435	250	171	..				183	43	137	41	23	47	11		30	71	40	53	55	12*	3 6-7	7 1-7			
1845	465	265	176	12				205	45	130	37	28	54	12	44	34	72	37	56	62	14	5 4-7	6 6-7			
1846	459	250	182	27				211	46	137	30	33	36	8	44	28	72	37	55	59	13	3 1-2	4 3-4			
1847	674	354	279	41				340	50	145	54	30	57	8	82	41	123	54	81	74	11	3 1-2	4 1-2			328
1848	804	460	283	61				400	50	219	52	39	103	13	86	38	124	94	108	103	12*	3 1-7	5			378
1849	870	543	273	54				436	50	218	75	58	84	9	89	38	127	90	112	97	11	2 4-7	5 5-7			272
1850	746	427	242	77				363	48	200	56	49	76	10	103	33	136	83	108	98	13	2 6-7	6			294
1851	839	477	298	64				387	46	235	47	63	98	11	93	48	141	77	112	123	15	3	6			237
1852	826	472	271	83				410	50	234	52	47	82	10	105	41	133	104	119	132	16	3 1-4	5			248
1853	925	505	335	85				431	46	287	70	66	82	9	108	39	142	108	120	159	17	3 1-6	7			358
1854	922	490	321	111				423	46	257	73	41	115	12	112	45	145	125	133	212	23	4	10			477
1855	915	416	352	147				456	50	238	59	51	102	11	107	59	152	114	134	157	17 3-10	3 3-7	11 4-7			645
1856	976	545	335	96				478	49	230	77	71	117	12	114	48	153	120	140	189	19	3	5			887
1857	920	549	280	91				510	55	195	57	66	130	14	119	40	157	103	128	163	17 7-10	2 2-3	5			1574
1858	1015	718	251	46				514	50	229	65	50	127	13	120	31	144	91	123	186	18*	4	7*			2223
1859	1240	934	257	49	287	49	1040	653	53	280	54	94	141	11	145	37	165	92	131	212	17	4	4 2-3	14	140	3523
1860	1240	997	201	42	215	42	1137	698	56	305	73	58	121	9¾	149	33	175	80	128	233	18 7-10	4	6	15	121	4433
1861	1416	1131	253	32	268	32	1252	831	59	318	79	57	99	7	135	37	162	120	140	297	21	4	5 3-4	16	124	4676
1862	1611	1175	425	11	441	11	1299	843	52	431	77	154	101	6¼	133	45	166	102	134	271	16 3-4	2 1-10	4 1-10	25	120	4800
1863	1648	1348	283	17	308	17	1468	856	52	459	96	70	162	9¾	135	29	158	116	137	292	17 7-10	3 4-10	4	24	126	4987
1864	1199	1262	326	11	350	11	1388	916	57	390	84	61	130	8	139	33	157	110	138	242	15 2-10	3.18	4.37	25	123	5619
1865	1199	564	567	68	592	68	687	702	59	295	68	74	104	8½	137	72	164	88	113	140	11 7-10	3 67	4 85	45	59	5356
1866	1120	497	578	45	693	45	556	677	60	82	50	74	96	8½	62	58	109	78	95	132	11 7-10	3.40	5.10	45	50	5608
1867	1206	626	556	24	601	24	676	676	56	282	62	141	94	7.8	77	62	126	72	104	113	9.36	3.37	4.26	39	69	4553
1868	1265	771	463	31	302	31	840	757	60	258	64	82	85	7	97	56	132	69	102	98	7.74	3.00	3.50	31	96	5264
1869	1390	834	532	24	563	24	930	771	55½	352	78	84	107	7.7	98	55	139	90	118	93	6.69	3.40	4.30	25	100	6953
1870	1302	858	414	30	439	30	958	780	60	303	65	68	85	6.45	106	45	137	98	120	140		3.37	4.82	24	86	8767
1871	1457	970	432	25	456	25	1056	821	57½	322	58	73	109	7.64	126	43	154	91	122	178		3.12	3.92	28	126	9792
1872	1547	1163	368	16	396	16	1289	958	62	313	76	84	120	7.75	133	42	160	97	135	259		3.15	4.35	30	120	11878
1873	1550	1075	411	64	441	64	1195	880	57	321	66	86	186	12	156	44	187	129	156	291		3.28	6.09	35	126	13517
1874	1639	1125	394	120	429	120	1251	946	57½	396	81	102	127	7.69	146	41	183	111	149	234		2.73	5.64	28	120	15612
1875	1841	1445	308	88	336	88	1565	1032	56	380	78	120	189	10.27	176	31	199	132	166	285		2.82	5.18	26	164	16993
1876	1906	1532	282	92	308	92	1696	1019	53½	502	91	144	150	7.86	182	36	210	163	185	245		3.22	5.73	19	171	17292
1877	1657	1270	339	48	358	42	1441	930	50	409	92	130	130	7.68	178	33	194	135	164	147		2.84	5.54	11	145	18004
1878	1794	1433	323	38	334	38	1578	956	50	505	59	138	134	7.46	170	34	187	132	165	200		2.80	5.27	17	141	18744
1879	1813	1436	335	42	352	42	1577	1040	57	422	84	125	143	7.94	165	30	188	131	163	222		2.84	5.16	17	140	18960
1880	2123	1724	354	45	371	45	1864	1186	54	545	74	150	154	7.16	165	35	188	156	170	351		2.58	4.53	17	157	20566
1881	2106	1678	402	26	419	26	1835	1324	62	429	70	103	189	8.96	168	39	195	139	166	391		2.79	4.41	15	140	18143
1882	2147	1736	399	12	414	12	1876	1312	61	463	59	13	177	8.13	167	35	195	143	168	348		2.84	4.41	24	141	16304
1883	2020	1492	449	79	473	79	1633	1286	63	378	61	108	181	8.93	168	49	189	143	168	432		2.75	4.80	32	128	7102*
1884	2096	1667	382	47	448	47	1815	1318	62	367	68	137	191	9.11	159	40	186	129	165	397		3	4.14	19	148	14824
1885	2327	1910	371	46	382	46	2044	1584	68	361	73	129	192	8.25	166	26	184	147	167	443		2.38	4.08	11	134	17016
	65100							25626		15976	3753	3591	5669													309507

*Out-patient Department

Massachusetts General Hospital.

The Massachusetts General Hospital is a private, not a public institution.

Applications for admission of patients must be made at the Hospital on Blossom Street, Boston, on week-days, between the hours of 9 and 11 A.M. and 2 and 3 P.M.

Recent accidents admitted at all hours.

Out-patients received between 9 and 10 A.M., week-days only.

Applications from a distance must be made in writing, accompanied by a full description of the case by the attending physician, and, when a Free Bed is desired, by a statement of the pecuniary condition of the patient, and wait for a reply before sending the patient.

Contagious and chronic diseases are not admitted.

Regular charges to paying patients are as follows: in the Jackson Ward (private), $50 per week; in small room in the Townsend and Bigelow Wards, $25 per week; in the General Wards, $10 per week. These rates, covering only expenses of board and lodging, may be increased or abated in individual cases by the Resident Physician.

JOHN W. PRATT,
Acting Resident Physician.

April 5, 1886.

THE AMBULANCE

OF THE

MASSACHUSETTS GENERAL HOSPITAL,

Accompanied by a medical officer, will be despatched to any point within the city proper for the conveyance of cases of *accident* or *urgent sudden sickness*, *not contagious*, to this Hospital, or elsewhere, upon notice from a physician, the police, or other responsible source, subject to the approval of the undersigned.

In cases requiring gratuitous treatment, no charge will be made.

By order of the Board of Trustees.

JOHN W. PRATT,
Acting Resident Physician,
Mass. Gen. Hospital, Blossom St.

SIXTY-EIGHTH ANNUAL REPORT

OF THE

SUPERINTENDENT OF THE McLEAN ASYLUM FOR THE INSANE,

TO THE

TRUSTEES OF THE MASS. GENERAL HOSPITAL,

For the Year 1885.

TO THE TRUSTEES OF THE MASSACHUSETTS GENERAL HOSPITAL:

Gentlemen, — The following report, with tabular statements relating to the number and condition of the patients treated in the Asylum during the year 1885, is respectfully presented: —

TABLE No. 1.

GENERAL STATISTICS OF THE YEAR.

	Males.	Females.	Total.
Patients in the Asylum, Jan. 1, 1885,	79	96	175
Admissions within the year,	54	41	95
Whole number of *cases* within the year,	133	137	270
Discharged within the year,	56	44	100
Namely, — as Recovered,	18	19	37
Much improved,	7	5	12
Improved,	8	5	13
Unimproved,	8	13	21
Deaths,	15	2	17
Patients remaining Dec. 31, 1885, supported as private patients,	77	93	170
Number of different *persons* within the year,	129	137	266
" " " " admitted,	50	41	91
" " " " recovered,	17	19	36
Daily average number of patients,	77.17	93.89	171.06

During the year, four men were twice admitted. Two were cases of general paralysis. One of them died, and the other is remaining. One was a case of acute mania, and recovered after each admission; and one was a case of melancholia, which, after being discharged recovered, was readmitted near the end of the year. Thus there were two hundred and seventy cases treated, representing two hundred and sixty-six persons.

Of the ninety-one persons admitted during the year, fifty-two were regarded as recent cases, and thirty-nine as chronic or incurable.

Sixty-seven persons, thirty-eight men and twenty-nine women, had never been in any hospital. Of the remaining twenty-four persons, fifteen, eight men and seven women, were admitted for the second time; three, one man and two women, for the third time; three, two men and one woman, for the fourth time; two women for the fifth time; and one man for the nineteenth and twentieth times.

Thirty-six cases — representing thirty-four persons, eighteen men and sixteen women — were admitted as voluntary patients upon their own written applications. Of these, twenty were cases of melancholia, nine of mania, one of moral insanity, one of *folie du doute*, one of dementia, and two of general paralysis. Of these thirty-four persons, one was committed after entering the Asylum as a voluntary case. Two of these persons were twice admitted, one a case of recurrent mania, and one of general paralysis with slightly developed mental symptoms of the disease. The thirty-six voluntary cases admitted during the year furnished nine recoveries; and twenty-four such cases remaining from the previous years furnished eight other recoveries during this year, making a total of seventeen recoveries out of sixty cases,— the

total number of this class under treatment during the year. Thus, the voluntary class has yielded a percentage of 47.22 on the admissions of 1885. Of this class admitted during the year, ten other cases were discharged improved or much improved, five not improved, and one died. Of these thirty-six cases admitted in 1885 there were remaining, at the end of the year, eleven persons, four men and seven women; and the same numbers also remained from the admissions of previous years, so that the total remaining under the voluntary relation is twenty-two, eight men and fourteen women. Only two of these had been inmates of the Asylum on former occasions.

The number of persons admitted as voluntary patients under the present law is as follows: namely, 1881, 1; 1882, 11; 1883, 33; 1884, 49; 1885, 34,—a total of 128 persons in five calendar years. The total for all the hospitals in the State, including the Asylum, is 189 for the same period.

The whole number of persons admitted during the past six years is as follows: namely, 1880, 51; 1881, 63; 1882, 82; 1883, 107; 1884, 109; 1885, 95.

In 1885 there were eighteen less admissions, three less discharges, and eight less cases under treatment than during the year 1884; and the number present was five less at the end than at the beginning of the year.

Of the ninety-eight persons discharged, including deaths, seven were transferred to other hospitals, four men and two women to those in this State, and one man to the State of Rhode Island.

Of the thirty-six persons discharged recovered, eighteen had never before been inmates of any hospital; and, of the remaining eighteen persons, thirteen had been in this Asylum. These thirteen

persons had previously made forty-four recoveries, two of which were at other hospitals.

The average duration of illness from the beginning of attack in all cases recovered was 11.55 months, and the average duration of their hospital residence was 6.33 months.

During the past six years, the first admissions were as follows: 1880, 30; 1881, 46; 1882, 62; 1883, 75; 1884, 75; 1885, 67. The recoveries were: 1880, 12; 1881, 14; 1882, 26; 1883, 37; 1884, 34; 1885, 37.

The percentage of recoveries on all admissions, for the year 1885, was 38.5. There were three more recoveries than in the previous year. There were seventeen deaths, the same number as last year.

While there was some falling off in the number admitted during the year,—due to the necessity of rejecting applicants for want of room,—the daily average number of patients for the year was five more than in the previous year; and upon the less number of admissions there was an increase of nearly eight per cent. in the recoveries over those of the previous year. Although there was a small decrease in the proportion of voluntary cases admitted, still, more than one-third of the admissions were of that class. The working of this voluntary plan is proving it to be most useful and satisfactory. The persons who make use of it regard it as a privilege, when feeling the need of care and treatment; and they are glad to avail themselves of the advantages of the plan, and to avoid subjecting themselves to the process of an examination and commitment which will formally pronounce them to be insane. It has already been shown that this class of patients contributes a little more than its due proportion to the number and percentage of recoveries.

The average number of patients under treatment

for six years, and the average cost per week for each patient, are shown by the following figures: —

	1880.	1881.	1882.	1883.	1884.	1885.
Daily average number of patients, . . .	153	149	155	164	166	171
Average cost per week,	$16.48	$16.92	$17.02	$16.16	$16.00	$15.72

This includes all extraordinary expenditures for repairs and alterations, and a considerable increase in the nursing service.

The Training School for Nurses has continued its work through the year in a successful and satisfactory way upon the plan briefly described in my report of last year. The impression has been received by some that the School has had aid in its organization and management from the long established School of the Massachusetts General Hospital, of which the Asylum is a department. It is only just to say that the difficulties of organizing and carrying on a useful system of training in a hospital for the insane have been overcome here, as is believed, without any outside aid, but in sole dependence upon the facilities of the Asylum and its officers for instruction

It seems proper to emphasize here what was said in last year's report, that the value of such a school depends upon the thoroughness of its work, and that the main portion of the teaching, besides the practical work in the wards, should be in the study of text-books, systematic class-drill, and practice in making clinical observations. The value of lectures by medical officers is supplementary; and to this may be added with great usefulness the practice of keeping carefully written note-books of each lecture, which are regularly examined and corrected. There should be teachers other than the medical officers; and not only should they have time for class work, but practical experience and technical training as

nurses are of great value as qualifications for the positions. These requisites are provided here by having a superintendent of nurses who has spent some time in a general hospital training school, after being for many years a supervisor in the Asylum; and also a supervisor who, being a graduate of such a training school, has had subsequent experience in our wards. These two persons hear the weekly recitations of each of the several classes, or sections of them; give instruction in massage and other practical work to the nurses singly and in a succession of small classes; attend lectures and correct the nurses' note-books; and conduct the work of training in general. Supplementary to this, each class has a course of about thirty lectures during each school year of eight months, from October to May, inclusive,— the first year from the First Assistant Physician, and the second year from the Superintendent. Thus, each nurse hears sixty lectures during her course of training. Four times in each course — that is, at the middle and end of each school year — there is a double examination, by which answers in writing are given to a series of questions upon the studies of the text-books, etc., and again upon the subjects of the lectures. The lectures, largely didactic, but including demonstrations in physiology, minor surgery, etc., are each an hour in length, in addition to a "quiz" of fifteen or twenty minutes upon the previous lecture, and are intended to cover in the main matters pertaining to general nursing. It has been necessary to give the didactic instruction in the care of the insane chiefly in the lectures, for want of a manual on this subject. The Handbook for the Instruction of Attendants on the Insane, recently prepared by a committee of the British Medico-Psychological Association, now provides a brief and excellent text-book

for class-room recitations, and a good basis for a course of lectures on mental diseases as they should be understood by a nurse.

While such a course of lectures, with the "quiz" and writing out of notes, is of essential value in the training, it is still maintained that the major part of the instruction in such a school should be given by persons especially appointed to that duty, in order to insure thoroughness and a methodical continuance of the work. Such a basis being provided,—and time is well spent in making such a preparation,—the undertaking of training nurses in a hospital for the insane is at once relieved of most of its difficulties, and is sure of gaining gratifying results. It should be added that a special course of instruction in cooking for the sick is included in the training. The general plan of the School is set forth in a printed circular, a copy of which may be found following the tables appended to this report.

The work of organizing an efficient system of training is likely to seem more formidable than it really is, and it may be useful to say something of our experience on this point. The history of the preliminary labor of creating such organizations as the Bellevue Training School, and that of the Massachusetts General Hospital, is instructive; but these were outside and independent of the hospital organizations. It is a different matter to reform and reorganize an existing state of things within a hospital. Every hospital manager knows or learns that one must make haste slowly in introducing new principles and methods against the tried traditions and well-approved customs of an established institution, especially if he is a new executive. Attending circumstances make it often wise, and sometimes necessary, to organize such a system of training from

the practical side of the work, and with the people already settled in their places in the service. As an example of this may be mentioned the Boston City Hospital Training School for Nurses, which under adverse circumstances required five years to transform the nursing service; a *personnel* chiefly of illiterate and untrustworthy convalescents grew in this time to be excellent material for training purposes. With this preparation on my part, Miss Richards, an accomplished superintendent of nurses and experienced in organizing such systems, was appointed in 1877; and at once the active work of the School was initiated, with a full class of pupils. The lectures by the medical staff were begun a year afterward, supplementing the preparatory class instruction.

In like manner, in 1879 the plan of the McLean Asylum Training School was definitely determined upon. It was to be a school not simply for the instruction of attendants on the insane, but to fit young women, as in the general hospitals, to undertake nursing in all its branches, with special qualifications for the care of cases of nervous and mental disease. There were a number of reasons for this larger purpose. We aimed at the public good, in respect to the home treatment of the insane as well as the direct benefit of the Asylum and its patients. It was thought to be unwise to educate and graduate nurses to be specialists, as it were; and to be unfair and delusive to invite them to a training school from which they would go into the public service comparatively ignorant of the first principles of nursing, and be likely to fail in a competition with the hospital graduates, to the disappointment of themselves and all concerned. It was therefore determined to teach them first all that could be taught about general nursing, and then to apply its principles to the in-

telligent observation and proper care of the insane. The first thing to be done was to make the conditions as favorable as possible as a basis for the work, — to enlarge the hospital element against that of the asylum, to regard all its inmates as patients, and none as chronic "boarders." Any one familiar with the training of nurses under these different conditions will readily understand the meaning of this. All this is fully set forth in the Asylum report for 1882.

At the beginning, in 1879, there had already been a trained nurse in a male ward for two years, having the care of a dining-room, and other duty in a social way. Other graduates of hospital schools were at once invited to take service in the female wards; and the higher wages were paid them, as for continued service here. A number came from time to time; but it was soon discovered that the hospital trained nurse "likes bodily nursing better than mental nursing," as Dr. Clouston has recently said of his nurses. This agrees with the experience of general practitioners in this vicinity. The hospital trained nurse, as a rule, does not like "nervous cases." The system of employing women as nurses in the men's wards was extended, with the intention of having the ordinary unmarried nurses do this service in their turn, as in the general hospitals. And in due time, as in those, there was introduced into our wards the system of ward maids on both sides of the house, to relieve the nurses of drudgery and to promote the custom of companionship with patients. Other general hospital methods were gradually introduced by giving certain class instruction and teaching special bedside and ward duties, as mentioned in the Asylum reports for 1881 and subsequent years. In 1882, the School was formally organized by the appointment of a superintendent of nurses who was a trained nurse,

with previous asylum experience; and increased attention to practical class instruction, etc., directly followed. When, later, the elaboration of the class work and the institution of the lecture system were made, the nurses who entered upon the more formal course of systematic training were given credit for previous time upon the prescribed two years' course of study; and, the preparatory work having reached its consummation, the Training School was at once in full operation and its establishment an accomplished fact. Some of the pupils who have been through this prolonged process of training have already more than completed the required time, and they with others will be ready to graduate after passing the mid-winter examinations.

It should be understood that it is regarded here as a part of the duty of the Asylum to the public which it was created to serve, to qualify young women and men to be nurses, with special fitness for the home treatment of patients in cases of nervous disease, or of impending or confirmed mental disorder. Enough of the graduates of the School will remain to aid in the teaching of others and in perfecting our own work. Among the results sought and already gained is the greatly improved quality of the nursing, because there are in it trained knowledge and skill, and the spirit which animates those who conscientiously pursue an honorable calling as a profession. With the increasing interest in the work, and the obligation to remain two years in the School, there are fewer changes. There are more applicants, and a better choice can be made from better material.

All these things yield a great gain, also, in the intelligent companionship with the patients, and enlarge the means for moral treatment. In these ways may be answered some of the queries propounded

by Dr. Clouston, in his paper read before the British Medico-Psychological Association, in 1876, on the question of "Getting, Training, and Retaining the Services of Good Asylum Attendants." Upon one of his queries, he makes a most practical comment, which goes to the root of the whole difficulty. Having described the ideal nurse, and asked "if we can expect to get persons to act as attendants from such (so called) higher notions," he says: "Indeed, most of us could not fail to have a sense of much incongruity in our presiding over institutions with such a staff. I know of few members of this Association who took to asylum life from 'higher motives' alone, however much those notions may influence the way one's work is done. We cannot expect from others what did not influence ourselves." A recognition of this principle of human nature inspired the double purpose in our policy of furnishing nurses for private cases outside of the Asylum, whenever possible. In the six years ending with 1885, forty-six persons,— thirty women and sixteen men,— who have left our service during that period, have done — and many are still doing — good work as private nurses. This fact acts as a public good, and is a spur to others who seek remunerative work.

The method adopted here for developing a system of training nurses is better adapted to some circumstances, helps to overcome difficulties that would seem formidable in many cases, and leads more safely and surely to definite results than the other plan of beginning with an experimental series of lectures, which are liable to be desultory, unsystematic, and to yield little tangible result, because many of the nurses soon leave the service, and it makes too much work for medical officers alone; and so the undertaking fails. As was said in my report of last year,

"A formal organization is necessary to establish the School and place teachers and pupils under such obligations as shall sustain and perpetuate the work, in order that it may be of material and lasting benefit."

It is not to be denied that good may be done by simply giving a brief series of lectures to attendants, with other kinds of instruction short of having a formally organized school, if repeated methodically every year, even if there is no method of holding attendants to a fixed period of service, and however limited the effort may be, regarded as systematic training. That experimental lectures may lead the way to a systematic method of teaching is shown by the recent establishment of several asylum schools as the outcome of the interest in this matter excited by the great success of such work in the general hospitals. It is not so new a thing to give lectures to attendants. It is interesting to know that so long ago as 1854, while Florence Nightingale was making the momentous beginning of her great work in hospital reform in the Crimea, Dr. W. A. F. Browne began at the Crichton Institution "the first attempt to educate the attendants upon the insane" by a course of thirty weekly lectures to his "officers, the male and female attendants, and some of the patients who belonged to the medical profession." In this as in other matters, Dr. Browne anticipated to some degree the best methods of the present day in the care of the insane.

From time to time, some such lectures have been given here and there in the asylums,— in this country, particularly, since the establishment of the hospital training schools at Bellevue Hospital and Massachusetts General Hospital, in 1873, thirteen years after Miss Nightingale's first training school was opened at St. Thomas Hospital; and, in the next

ten years, more than twenty such schools were established in the United States. The example of these schools has been felt in the asylums in both countries during the last ten years, but the difficulty of getting good attendants has made the literature of the subject still a series of lamentations. Dr. Clouston's forcible statement, in 1876, of the crying need of a new system, in the paper already cited, attracted much attention; he asked if there could not be some mode of training attendants, and suggested some queries as to what they could be taught. To get them to stay in asylums and do their irksome and disagreeable duties for many years, he thought it would be necessary, among other things, to provide a rising scale of pay; to change them from one asylum to another in rotation; to provide facilities for houses, leaves of absence, etc., and for the marriage of at least one-half of the male attendants; to promote their pecuniary interests, and set before them a high ideal of duty.

For some time later, however, there was no attempt to use in the asylums the well-established and successful methods of the general hospital school system, except that infirmary wards came into more general use. The lesson taught by the general hospitals had not yet been learned: that the practical thing for the asylums to do was to take the material in hand, and educate that in the same way as had been done in them. But, in 1881, Dr. Clark, "taking up the subject where Dr. Clouston left off" and making a distinct advance in the same direction, undertook to devise "an organized scheme of special training," upon taking charge of the new Glasgow District Asylum. During the first year, an experimental series of eighteen lectures and blackboard exercises, undertaken with some hesitation, was so

successful and encouraging that more was done in the next winter of 1882–83. It is significant that, in the process of working out his problem, Dr. Clark says he found "that we are becoming more and more fully impressed with the idea that the asylum of the future will partake largely of the hospital type." This process of feeling the way to a perfected scheme is very interesting of itself, besides illustrating a different method of the evolution of a new system from that put in operation here in 1879. In a similar manner, starting with didactic teaching rather than class work, Dr. Andrews began, at the Buffalo Hospital, an experimental series of lectures in the fall of 1883, without any addition to the teaching staff, it is understood; and these lectures led to the adoption of a more complete school system in 1885, and the formal promulgation of the scheme of training. Later, such schools have been introduced into the Pennsylvania, Norristown, and Kankakee hospitals.

It has been mentioned that one of the first steps taken in the work here just described was the development of the plan of employing women in men's wards. In the years of groping for something better than the old system of nursing in asylums, there has been much serious consideration of these matters by the best authorities. Was a recourse to the religious orders in which there is a survival of the better features of the old monastic institutions desirable? There is a notable article on "Sisterhoods in Asylums" in the *Journal of Mental Science* for April, 1866, by a well-informed but anonymous writer, who advocates the employment of women in such a way. Much excellent work continues to be done by the religious sisterhoods in the care of the insane, of men as well as women. In the growing sys-

tem, at home and abroad, of infirmary wards for the sick and feeble, there are a number of places in which married attendants and their wives have the care of insane men. The wives of attendants have been employed in some places in England, as at the West Riding Asylum and Cheadle, in the ordinary care of asylum wards; and, from time to time, this has been done in some wards of this Asylum for many years. Again, attendants' wives are employed in men's wards solely as "bed-makers," as at the St. Andrew's Hospital in Northampton, and at Whittingham, in England. At the latter place also, the infirmary wards for men have been entirely in the care of women by day and of one man and one woman at night since 1873. Dr. Batty Tuke finds it advantageous to have a "lady companion" employed in association with the gentlemen of his private asylum; and Dr. Clouston has similar arrangement at the Craig House, as well as having had an attendant and his wife in charge of the men's infirmary ward since 1877. In these arrangements, however, some special protection is afforded to the sex; and special conditions are relied upon, that are foreign to the one purpose of nursing the sick. It is a radically different matter to place ordinary female unmarried nurses, assisted by young women as ward-maids, in the general wards of men, and to insist upon their carrying on this duty in the same way and as freely as is done in general hospitals. This has been done with good results here for a number of years.

To have an attendant and his wife in charge of a separate house, with a few patients, the woman doing the cooking or other housekeeping duty, etc., as is Mr. Mould's plan at Cheadle, serves an excellent purpose as far as it goes. This is the family plan.

Some ordinary wards may be well served in this way. But the system is inelastic. It is still contended that the amelioration of the ordinary asylum ward for men can best be wrought by properly instructed women. There are many objections to the married nurse. The man and wife are likely to be of unequal quality as nurses; one must sometimes be changed. Their association in a ward is apt to interfere with the discipline. As a rule, a system of training will attract and keep in the service a grade of women superior to the men who could be permanently interested in asylum work. Such women make better hospital nurses if they are not married. The most important objection of all is that for a nurse to be married and continue in hospital service is essentially in conflict with the professional spirit of her work. At all events, it is a pity if there should remain any needless bar to the good that may be done in wards for men by well-trained womanly nurses, who, as single women, have their undivided interest in their calling as a profession. In an important article on the subject of lunacy, published as late as July, 1876, in the *British and Foreign Medico-Chirurgical Review*, an anonymous writer, evidently an accomplished alienist, says in regard to the question of attendants for the insane, "Our brethren have discouraged the services of females, even in the male wards of hospitals, and have not tried the experiment of employing married couples in such galleries as offer opportunities for such association."

Dr. Hack Tuke in his recent work on the Insane in the United States and Canada (the result of his visit in 1884), noticing what he saw of this system in this Asylum, and concisely stating the advantages claimed for it, says: "Dr. Cowles attaches great importance to the employment of female nurses in the

male wards. He believes this to be as easily managed as in a general hospital. He holds that it is unnatural for patients to be placed in asylums under entirely different conditions, in regard to female society, from what they have been accustomed to at home. They degenerate in speech and conduct, and the male attendants are also injuriously affected. The presence of female nurses restrains and softens the insane, and enforces self-control. All this may be true; but it is obvious that the practical carrying out of the system must add greatly to the anxiety of the superintendent, and that it should be introduced only by one who is confident he can carry it out successfully. Nor should it be introduced into all asylums. I would add as a valuable feature of this asylum that it forms a training school for nurses."

The happy results given here by this system are so unquestionable, as matters of observation and fact, that it claims some defence. I cannot forbear declaring that it continues to be entirely practicable; it not only has a benign influence in directly promoting the comfort of the patients, but it makes them gentle in manners, and has the same effect upon the men attendants also. The method of accommodating the duties of male and female nurses, and the good effects of the system, have been described in the Asylum reports for 1881 and subsequent years.

The presence of nurses and ward-maids in five of our ten male wards is a commonplace and matter-of-course feature of asylum life, and it is intended soon to include two more wards in this arrangement. I must testify to the fact that my first anxiety in regard to the success of the system has gone; and, after some years of trial, it proves to be a source of relief and confidence in the orderly conduct of the

wards rather than an additional care. Such an association of patients and of young women and men as nurses practically works as well here as in the wards of a general hospital, and I see no reason why the plan may not be carried out in many of the wards of the large hospitals for the insane.

The good effects of this system have been found to deserve so much praise by those who have tried it in its guarded form that its benefits ought to be extended, if possible, to the common wards of asylums. That it can be done safely and properly, and with surprisingly good results, is claimed to have been proven here in the last six years. This has been done on the basis of the general hospital idea, and as a part of the scheme for the training school. In all that has been said of this idea in my former reports, it was with special reference to the use of general hospital methods in managing, teaching, and training nurses. When Dr. Clark suggests that the asylum of the future will partake largely of the hospital type, as an argument for the new system in the nursing service, it is undoubtedly with the view of perfecting the means in our hands of applying something in the treatment of the insane that is quite beyond the scope and even the possibilities of the general hospitals; that is, the moral treatment. The social and homelike conditions, more possible in the asylums than in hospitals, are the most natural and helpful for minds diseased.

Samuel Tuke said in 1841, in some wise remarks regarding attendants, in his notes on Jacobi's work on Hospitals for the Insane: "The weakness of infancy, sickness, and age excite emotions which lead to their protection and help. But the sufferer under insanity, in most of its forms, excites rather the feelings of fear, repugnance, or contempt." Jacobi wrote,

"I believe that this difficulty will never be surmounted till the spirit of the age becomes so far changed as to induce persons of cultivated minds and benevolent hearts to devote themselves to this employment from religious motives." While Tuke agreed that "such attendants would indeed be invaluable," he said that a "sympathizing and unselfish character is what we primarily want in all who have charge of the insane." Our problem is to take common, honest-hearted human nature as we find it, with healthy self-interest and self-respect, and to put it into sympathetic relations with those who are so afflicted by its perversions that they naturally excite our aversion or resentment. We know well enough why a woman makes the best nurse, and we know as well the untiring and unsparing sympathy that she gives when it is once aroused. We have only to teach her to know that the insane are sick and irresponsible, and how to soften their sufferings, and then we have enlisted in our cause that most potent quality of human nature,—its motherliness. This is a common quality; let us use it. Florence Nightingale founded all her nursing reform upon it. She taught the woman to see beneath and within the repulsive exterior of disease; she gave a "touch of human nature" to the nurse, that awakened the maternal instinct, quickening its sympathy with knowledge. Character is not denied to the humbler walks of life, nor decency of thought and conduct; and there are women enough who will be nurses, if you dignify the profession, of whom it should be said, as the Scotch say of the insane, "The more you trust, the more you may." And to this I would add the maxim that People generally do what you expect of them. If a nurse fails of due discretion in a common ward of insane men, many a man has done so before she

did. The fault is with the individual, and not with the system. There need be little trouble with the patients; classification will control that. It is important to define plainly the relation of the nurse to other attendants, and give character to the position, which is naturally that of mistress of all the domestic arrangements of the ward. Thus, it is easier for her to maintain her dignity and command respect. In six years here, eight nurses and four ward-maids have done this duty for longer or shorter periods, in their turns; and I have yet to feel any regret for the adoption of the system.

Samuel Tuke's observation and Florence Nightingale's work, with the data of our experience, furnish the reasoning that forms for us the basis of the proposition we have been seeking to prove for some years. It is that the nurse will be best fitted for general practice who has had full and careful training in both hospital and asylum schools. In every case that needs "bodily nursing," there are mental indications to which it is important that the nurse should have the tact to suit herself. The general physician who is by nature and learning the best practical psychologist, other things being equal, is the most successful. So will be the nurse who, having a good understanding of "bodily nursing," has been trained to have the deeper insight into "mental nursing." She will thereby have her sympathies and interest quickened by knowledge gained by practice and study. During the past six years, a number of women, already trained as general nurses, have been encouraged to acquire practical experience in our wards. The aim has been to offer, when ready for it, to a limited number of graduate nurses in good standing, the benefits of our training, which forms the work of the second year in the School, and includes the special care of

the insane. This part of the system of the medical schools, by which students of other schools are admitted to advanced or partial courses, should be made practicable as a matter of comity between the hospital and the new asylum schools now making such promising beginnings. Women thus qualified will make the best asylum matrons and teachers; and a few years will witness the ~~evolution~~ development of practical methods of applying the new system to the large asylums, with the happiest results.

These details of this work, here and elsewhere, are thus reviewed, and the ethical principles involved are discussed, in order that the peculiar difficulties belonging to such special hospitals may perhaps be lessened for those who would enter upon a similar undertaking. It has been of great interest to me to watch the process of evolution of the good nurse, under the transforming effect of the new system in the Boston Hospital; to have carried over the same methods into an asylum; and to have discovered for myself the vital and animating principle of the whole work. It is fair, also, to put on record the part of the Massachusetts General Hospital in this matter. It has the credit of being one of the first two general hospitals in this country to enlist in this school work, both hospitals opening their wards in 1873. Its school was the model for that of the neighboring Boston Hospital, the beginning of which has been described. It has carried its hospital methods of training into its asylum department, where, though in a practically separate institution, the new system of nursing is in direct sequence to the hospital work. The Asylum School, modelled upon the same lines, teaches general nursing, as well as it can, as the basis of instruction, and adds to that the special training. Starting with a trained nurse from the Hospital, in

1877, the new system began its evolution in the Asylum in 1879, with no uncertainty of purpose or plan, thereby taking a leading place in the inauguration of definite school methods in asylums.

In Dr. Tuke's pleasant comments on the system of employing women as nurses in men's wards, the suggestion is genially and fittingly made that my text might be, "Emollit mores, nec sinit esse feros." My thanks are due for so happy an application of Ovid's praise of "ingenuas didicisse fideliter artes." We share in Col. Newcome's admiration of these melodious lines, though he often misquoted them to his friends, who were more indulgent than his son. Thanks to Dr. Tuke, my praise of women, strengthened by these classic words, will not hereafter inflict Clive's distress upon my assistants. With such high authority for my faith, nothing can seem truer to me than the proof worked out before my eyes that there is a mollifying influence in the gentler ways of women upon the ruder manners of men.

The enlargement of the nursing service, because of increased night attendance and for other reasons, has overcrowded the accommodations for the nurses; but these are now much improved by the completion of the Hurd Building, which furnishes a number of comfortable rooms, a bath-room, etc., and a convenient and commodious dining-room detached from the wards. The alterations now to be made of the nurses' dormitory in the dome of the Belknap Building, by dividing it into a number of smaller rooms with convenient accessories, will further add to the comfort and welfare of the nurses.

Clinical lectures to students of Harvard Medical School were given early in the year, and are to be repeated during the present winter.

The results of some of the work done in the path-

ological department, mentioned in former reports, are given in the appendix.

During the summer season, from June to October, two cottages were occupied at the seashore in Lynn, instead of one, as in several previous years. Thirteen ladies spent an aggregate of twenty-nine months there, with very material benefit to some and much comfort to all of them. The nearness of this place made it convenient for occasional excursions from the Asylum, which gave much pleasure and some variety to the monotony of the life here. In other ways, attention has been given as usual to the means of recreation and entertainment of patients during the year.

The earnest thanks of the patients and all who have the care of them are due to the friends of the Asylum who have manifested continued interest in its welfare and its work.

Very respectfully,

EDWARD COWLES, M.D.,
Superintendent.

TABLE No. 2.

MONTHLY ADMISSIONS, DISCHARGES, AND AVERAGES.

Months.	Admissions.			Discharges (including Deaths).			Daily Average of Patients in the House.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
January, . .	10	2	12	4	. .	4	77.97	93.45	171.42
February, .	2	3	5	5	3	8	81.28	94.28	175.56
March, . .	6	4	10	4	2	6	80.55	92.90	173.45
April, . . .	4	9	13	3	7	10	81.60	97.33	178 93
May, . . .	5	4	9	4	2	6	81.68	97.06	178.74
June, . . .	. .	5	5	5	4	9	78.90	97.33	176.23
July, . . .	2	3	5	5	6	11	73.55	99.64	173.19
August, . .	5	2	7	5	4	9	74.58	93.77	168.35
September, .	2	3	5	8	6	14	70.30	88.57	158.87
October, . .	7	2	9	1	4	5	74.54	92.10	166.64
November, .	4	3	7	4	5	9	75.93	91.07	167.
December, .	7	1	8	8	1	9	75.19	81.22	164.41
Total *cases*, .	54	41	95	56	44	100	77.17	93.89	171.06
" *persons*,	50	41	91	54	44	98	. .	. .	. .

TABLE No. 3.

RECEIVED ON FIRST AND SUBSEQUENT ADMISSIONS.

Number of the Admission.	Cases admitted.			Times previously recovered.		
	Males.	Females.	Total.	Males.	Females.	Total.
First, ...	38	29	67	4	5	9
Second, ...	11	7	18	3	8	11
Third, ...	1	2	3	2	4	6
Fourth, ...	2	1	3	3	4	7
Fifth, ...	. .	2	2	. .	4	4
Nineteenth, . . .	1	. .	1	18	. .	18
Twentieth, . . .	1	. .	1	19	. .	19
Total of *cases*, . .	54	41	95	49	25	74
Total of *persons*, .	50	41	91	. .	. .	. .

These 74 recoveries represent 24 persons, 12 having recovered one, 7 two, 1 three, 2 four, and 1 nineteen times. The nineteenth and twentieth admissions represent one person.

TABLE No. 4.

AGES OF PERSONS ADMITTED FOR THE FIRST TIME.

Ages.	At first attack of Insanity.			When admitted.		
	Males.	Females.	Total.	Males.	Females.	Total.
15 years and less,	2	. .	2	. .	. .	. .
From 15 to 20 yrs.,	3	7	10	4	2	6
" 20 " 25 "	3	3	6	3	4	7
" 25 " 30 "	5	. .	5	4	3	7
" 30 " 35 "	4	4	8	3	3	6
" 35 " 40 "	2	5	7	4	7	11
" 40 " 50 "	10	4	14	11	4	15
" 50 " 60 "	3	5	8	3	5	8
" 60 " 70 "	4	1	5	4	1	5
" 70 " 80 "	2	. .	2	2	. .	2
Total of *persons*,	38	29	67	38	29	67

TABLE No. 5.

PARENTAGE OF PERSONS ADMITTED.

Places of Nativity.	Males.		Females.		Total.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine, ...	6	8	8	7	14	15
New Hampshire, .	4	3	5	3	9	6
Vermont, ...	. .	. .	1	3	1	3
Massachusetts, . .	25	23	17	17	42	40
Connecticut, . . .	1	. .	. .	1	1	1
New York, . . .	5	6	1	2	6	8
New Jersey, . . .	1	1	. .	. .	1	1
Kentucky, ...	1	1	. .	. .	1	1
England, ...	. .	. .	3	2	3	2
Canada, ...	2	2	. .	. .	2	2
Ireland, ...	2	1	3	3	5	4
New Brunswick, .	. .	. .	. .	1	. .	1
Nova Scotia, . . .	1	1	1	. .	2	1
Holland, ...	. .	. .	1	1	1	1
Scotland, ...	. .	2	1	1	1	3
Sweden, ...	1	1	. .	. .	1	1
Italy, ...	1	1	. .	. .	1	1
Total of *persons*, .	50	50	41	41	91	91

TABLE No. 6.

RESIDENCE OF PERSONS ADMITTED.

Places.	Males.	Females.	Total.
Massachusetts: —			
Suffolk County,	15	14	29
Middlesex County,	19	14	33
Essex County,	1	5	6
Norfolk County,	4	1	5
Berkshire County,	. .	1	1
Plymouth County,	1	1	2
Bristol County,	1	. .	1
Barnstable County,	2	. .	2
Worcester County,	1	. .	1
Maine,	. .	2	2
New Hampshire,	2	2	4
Connecticut,	1	. .	1
New York,	1	. .	1
New Jersey,	1	. .	1
Pennsylvania,	1	. .	1
Illinois,	. .	1	1
Kentucky,	1	. .	1
Michigan,	1	. .	1
Canada,	1	. .	1
Nova Scotia,	1	. .	1
Total of *cases*,	54	41	95
Total of *persons*,	50	41	91

TABLE No. 7.

CIVIL CONDITIONS OF PERSONS ADMITTED.

Number of the Admission.	Unmarried.			Married.			Widowed.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First,	14	14	28	21	12	33	3	3	6
Second,	6	2	8	4	5	9	1	. .	1
Third,	. .	1	1	1	1	2	. .	. .	. .
Fourth,	. .	1	1	2	. .	2	. .	. .	. .
Fifth,	. .	. .	. .	. .	1	1	. .	1	1
Nineteenth,	1	. .	1	. .	. .	. .	. .	. .	. .
Twentieth,	1	. .	1	. .	. .	. .	. .	. .	. .
Total *cases*,	22	18	40	28	19	47	4	4	8
Total *persons*,	19	18	37	27	19	46	4	4	8

TABLE No. 8.

OCCUPATIONS OF PERSONS ADMITTED.

Occupations.	Males.	Females.	Total.
Housewife,	. .	18	18
Clerk,	7	1	8
Journalist,	2	. .	2
Merchant,	9	. .	9
Farmer,	3	. .	3
Student,	3	1	4
Teacher,	. .	1	1
Lawyer,	3	. .	3
Clergyman,	1	. .	1
Civil Engineer,	2	. .	2
Policeman,	1	. .	1
Barber,	1	. .	1
Mechanic,	13	. .	13
No occupation,	5	20	25
Total of *persons*,	50	41	91

TABLE No. 9.

REPORTED DURATION OF INSANITY BEFORE LAST ADMISSION.

Previous Duration.	First Admission to any Hospital.			All other Admissions.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	. .	. .	. .	. .	. .	. .	. .	. .	. .
Under 1 mo.,	10	8	18	4	4	8	14	12	26
Fr. 1 to 3 mo.,	11	6	17	5	3	8	16	9	25
" 3 " 6 "	6	4	10	2	2	4	8	6	14
" 6 " 12 "	3	2	5	1	1	2	4	3	7
" 1 " 2 yrs.,	3	4	7	1	1	2	4	5	9
" 2 " 5 "	5	3	8	2	1	3	7	4	11
" 5 " 10 "	. .	2	2	1	. .	1	1	2	3
Total *cases*,	38	29	67	16	12	28	54	41	95
Total *persons*,	. .	. .	. .	12	12	24	50	41	91
Average of known persons (in years),	.50	.90	.70	1.03	.59	.81			

TABLE No. 10.

FORM OF DISEASE IN THE CASES ADMITTED.

Form of Disease.	Males.	Females.	Total.
Mania, acute,	20	11	31
Mania, chronic,	1	3	4
Mania, hysterical,	. .	3	3
Mania, puerperal,	. .	1	1
Mania, epileptic,	1	. .	1
Dipsomania,	1	. .	1
Melancholia, acute,	12	13	25
Melancholia, chronic,	1	4	5
Dementia, chronic,	1	5	6
Dementia, senile,	1	. .	1
General Paralysis,	13	1	14
Moral Insanity,	1	. .	1
Folie du doute,	2	. .	2
Total of *cases*,	54	41	95
Total of *persons*.	50	41	91

TABLE No. 11.

ALLEGED CAUSES OF INSANITY IN PERSONS ADMITTED.

Causes.	Males.	Females.	Total.
Mental.			
Grief,	1	3	4
Anxiety,	8	5	13
Fright,	. .	1	1
Physical.			
Ill-health,	12	8	20
Injury to the head,	3	. .	3
Overwork,	9	5	14
Constitutional,	4	1	5
Change of life,	. .	2	2
Childbirth,	. .	1	1
Epilepsy,	1	. .	1
Acute disease,	1	2	3
Unknown,	15	13	28
Total of *cases*,	54	41	95
Total of *persons*,	50	41	91

TABLE No. 12.

RELATION TO HOSPITALS OF THE PERSONS ADMITTED.

	Males.	Females.	Total.
Never before in any Hospital,	38	29	67
Former inmates of this Hospital,	9	8	17
Former inmates of other Hospitals in this State: —			
South Boston,	. .	1	1
Taunton,	2	. .	2
Private Asylum,	2	. .	2
Former inmates of Hospitals in other States,	2	. .	2
Former inmates of this Hospital and of other Hospitals in this State: —			
Danvers,	1	. .	1
Former inmates of this Hospital and of Hospitals in other States,	. .	2	2
Former inmates of foreign Hospitals,	. .	1	1
Total of *cases*,	54	41	95
Total of *persons*.	50	41	91

TABLE No. 13.

DISCHARGES CLASSIFIED BY ADMISSION AND RESULT.

Admission.	Recovered.			Much Improved.			Improved.			Unimproved.			Died.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First,	10	9	19	4	3	7	7	4	11	6	11	17	11	1	12	38	28	66
Second,	3	7	10	1	..	1	1	1	2	2	1	3	3	1	4	10	10	20
Third,	2	..	2	1	1	2	..	..	..	..	1	1	..	..	..	3	2	5
Fourth,	1	1	2	1	..	1	..	..	..	..	..	..	1	..	1	3	1	4
Fifth,	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Eighth,	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Sixteenth,	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	1
Nineteenth,	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Twentieth,	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Total of *cases*,	18	19	37	7	5	12	8	5	13	8	13	21	15	2	17	56	44	100
Total of *persons*,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	54	44	98

TABLE No. 14.

CASES DISCHARGED RECOVERED.—DURATION.

Period.	Duration before Admission.			Hospital Residence.			Whole duration from the Attack.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 mo.,	6	7	13	7	1	8	. .	. .	. .
Fr. 1 to 3 mo.,	6	7	13	5	1	6	9	1	10
" 3 " 6 "	5	1	6	2	6	8	4	5	9
" 6 " 12 "	. .	1	1	2	7	9	3	6	9
" 1 " 2 yrs.	. .	1	1	2	3	5	. .	5	5
" 2 " 5 "	. .	2	2	. .	1	1	1	1	2
" 5 " 10 "	1	. .	1	. .	. .	. .	1	1	2
Total *cases*,	18	19	37	18	19	37	18	19	37
Total *persons*,	17	19	36	17	19	36	17	19	36
Average of known cases (in months),	4.9	5.51	5.22	4.06	8.49	6.33	8.96	14.	11.55

TABLE No. 15.

CASES RESULTING IN DEATH.—DURATION.

Period.	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 mo., . .	2	. .	2	1	1	2	. .	. .	. .
From 1 to 3 mo.,	7	. .	7	3	. .	3	1	. .	1
" 3 " 6 "	2	1	3	1	. .	1	3	1	4
" 6 " 12 "	1	. .	1	4	. .	4	4	. .	4
" 1 " 2 yrs.,	. .	. .	. .	4	1	5	1	. .	1
" 2 " 5 "	2	1	3	2	. .	2	5	. .	5
" 5 " 10 "	1	. .	1	. .	. .	. .	1	1	2
Total, ...	15	2	17	15	2	17	15	2	17
Average of known cases (in months),	11.83	26.5	13.56	23.05	37.87	24.8	30.78	64.37	38.35

TABLE No. 16.

CASES DISCHARGED BY RECOVERY OR DEATH.

Form of Insanity.	Recoveries.			Deaths.		
	Males.	Females.	Total.	Males.	Females.	Total.
Mania, acute,	12	6	18	3	1	4
Mania, chronic,	..	1	1	..	..	..
Melancholia, acute,	3	10	13	2	..	2
Melancholia, chronic,	1	1	2	3	1	4
General Paralysis,	..	..	..	7	..	7
Dipsomania,	1	..	1	..	..	..
Folie du doute,	1	..	1	..	..	..
Not insane,	..	1	1	..	..	..
Total of *cases*,	18	19	37	15	2	17
Total of *persons*,	17	19	36	15	2	17

TABLE No. 17.

CAUSES OF DEATH.

Causes.	Males.	Females.	Total.
Cerebral Disease.			
General Paralysis,	7	..	7
Exhaustion from Mania,	2	..	2
Exhaustion from Melancholia,	2	..	2
Abscess of Brain,	1	..	1
Other Causes.			
Pneumonia,	..	1	1
Cellulitis,	1	..	1
Chronic Interstitial Nephritis,	2	1	3
Totals,	15	2	17

TABLE No. 18.

RECOVERIES, CLASSIFIED BY RESULTS OF PREVIOUS ADMISSIONS.*

Number of the Admission.	Recovered.			Much Improved.			Improved.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Second,	2	6	8	..	..	..	1	1	2	3	7	10
Third,	1	..	1	..	..	..	1	..	1	2	..	2
Fourth,	1	1	2	..	..	..	..	..	..	1	1	2
Fifth,	..	1	1	..	..	..	..	..	..	..	1	1
Eighth,	..	1	1	..	..	..	..	..	..	..	1	1
Nineteenth,	1	..	1	..	..	..	..	..	..	1	..	1
Twentieth,	1	..	1	..	..	..	..	..	..	1	..	1
Total of *persons*,	6	9	15	..	..	..	2	1	3	8	10	18

* This classification is based upon the result of the admission next preceding the last, in each case respectively.

TABLE No. 19.

DEATHS, CLASSIFIED BY DURATION OF INSANITY AND OF TREATMENT.

Period.	Duration of Insanity.			Whole known period of Hospital Residence.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital,	..	..	..	..	..	..
Under 1 month,	..	..	..	2	1	3
From 1 to 3 months,	1	..	1	2	..	2
" 3 " 6 "	3	1	4	..	..	..
" 6 " 12 "	4	..	4	4	..	4
" 1 " 2 years,	1	..	1	4	1	5
" 2 " 5 "	5	..	5	3	..	3
" 5 " 10 "	1	1	2	..	..	..
Total,	15	2	17	15	2	17
Average of known *cases* (in months),	23.40	37.87	25.10	14.40	11.38	14.04

TABLE No. 20.

AGES OF THOSE WHO DIED.

Ages.	At time of the first Attack.			At time of Death.		
	Males.	Females.	Total.	Males.	Females.	Total.
From 30 to 35 years,	1	. .	1	1	. .	1
" 35 " 40 "	3	1	4	2	1	3
" 40 " 50 "	5	. .	5	4	. .	4
" 50 " 60 "	2	1	3	4	. .	4
" 60 " 70 "	3	. .	3	3	1	4
" 70 " 80 "	1	. .	1	1	. .	1
Total, ...	15	2	17	15	2	17

TABLE No. 21.

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS AT THE McLEAN ASYLUM.

FROM ITS OPENING, OCT. 6, 1818, TO DEC. 31, 1885, INCLUSIVE.

Years.	Admitted.	Discharged.	Whole No. under care.	Died.	Much improved, etc.	Recovered.	Remaining at end of year.	Average No. of Patients.
1818–25	398	344	623	29	205	110	279	..
1826	47	46	101	5	21	20	55	..
1827	58	56	113	5	17	34	57	..
1828	77	65	134	5	37	23	69	..
1829	73	77	142	9	42	26	65	..
1830	82	78	147	10	34	34	69	..
1831	83	84	152	8	46	30	68	..
1832	94	98	162	10	45	43	64	..
1833	103	100	167	8	50	42	67	..
1834	108	95	174	7	47	41	80	..
1835	83	84	163	11	28	45	77	..
1836	106	112	183	10	38	64	71	..
1837	120	105	191	8	25	72	86	80
1838	138	131	224	12	45	74	93	95
1839	132	117	225	10	38	69	108	112
1840	155	138	263	13	50	75	125	128
1841	157	141	283	11	55	75	142	135
1842	129	138	271	15	43	80	133	143
1843	126	126	260	18	45	63	134	131
1844	158	140	292	20	52	68	152	146
1845	119	120	271	13	33	74	151	149
1846	148	126	299	9	52	65	173	164
1847	170	170	343	33	50	87	173	172
1848	143	155	316	23	50	82	155	171
1849	160	137	321	15	58	64	184	177
1850	173	157	357	28	51	78	200	201
1851	164	173	364	29	69	75	191	195
1852	145	135	336	15	48	72	201	200
1853	114	120	315	17	45	58	195	194
1854	120	120	315	16	45	59	195	195
1855	123	126	318	24	46	56	192	192
1856	149	145	341	19	58	68	196	195
1857	141	159	337	28	60	71	178	191
1858	155	147	333	25	50	72	186	187
1859	131	142	317	28	53	61	175	185
1860	121	109	296	24	46	39	187	185
1861	111	110	298	23	33	54	188	193
1862	82	94	270	18	37	39	176	190
1863	94	69	270	13	20	36	201	191
1864	101	107	302	27	38	42	195	200
1865	82	85	277	17	33	35	192	186
1866	103	98	295	29	23	46	197	197
1867	89	108	286	27	36	45	178	186
1868	92	94	270	23	37	34	176	166
1869	108	100	284	18	31	51	184	187
1870	79	85	263	12	40	33	178	187
1871	75	81	253	13	47	21	172	178
1872	93	101	265	23	63	15	164	173
1873	92	95	256	13	63	19	161	165
1874	75	88	236	10	58	20	148	159
1875	85	83	233	16	51	16	150	156
1876	92	74	242	20	36	18	168	160
1877	110	103	278	20	68	15	175	175
1878	63	84	238	12	66	6	154	168
1879	76	79	230	12	48	19	151	157
1880	51	48	202	6	30	12	154	152
1881	66	65	220	14	37	14	155	150
1882	82	70	237	8	36	26	167	156
1883	109	111	276	17	57	37	165	164
1884	113	103	278	17	52	34	175	166
1885	95	100	270	17	46	37	170	171
	6,921	6,751		995	2,863	2,893		

TABLE No. 22.

TABLE OF APPLICATIONS, ADMISSIONS, ETC., FOR TWENTY-ONE YEARS,—1864-1885.

Years.	Applications.		Admissions.		American.		Foreign.		Not Admitted.	Discharged, cured, relieved, or improved.		Percentage of same on Admissions.		Died.		Accidents.	Whole number under care in the year.		Number of Free patients.		Paying all the time.		Paying part of the time.	(Greatest total) number at any time.		I.east total at any time.		Average.		(Greatest number at any one time of Free or Paying at Hospital.		Average time in weeks Paying and Free at Hospital.		Out-patients.
	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.		Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.	Free.	Paying.	Free.	Paying.	Hospital.
1864	1932	101	1599	654	99	945	2	333	1306	80	8 168	79.1	130	27	242	1749	302	1388	350	11	157	208	110	192	138	200	139	33	3.2	4.4	5619			
1865	1430	1199	82	571	80	628	2	231	997	68	8 315	82.9	104	17	140	1347	277	687	592	68	104	195	88	181	113	186	137	72	3.7	4.8	5346			
1866	1328	1120	103	542	100	587	3	208	903	69	84 17	66.9	96	29	132	1224	295	756	623	45	109	203	78	192	95	197	62	58	3.4	5.1	5608			
1867	1419	1206	89	558	88	648	1	213	968	81	79 43	91	94	27	113	1301	286	676	601	24	126	200	72	172	104	186	77	62	3.4	4.3	4563			
1868	1474	1265	92	604	92	661	0	209	1015	71	80 03	77.1	85	23	98	1373	218	840	502	31	132	181	69	160	102	166	97	56	3.0	3.5	5204			
1869	1633	1390	108	681	108	709	0	243	1123	82	80 03	75.9	107	18	93	1217	284	830	563	24	139	196	90	177	118	187	98	55	3.4	4.3	6353			
1870	1706	1392	79	584	76	718	3	404	1083	73	83 20	92 4	85	12	140	1427	342	958	439	30	137	195	98	181	120	187	106	45	3.4	4.8	8767			
1871	1781	1427	75	649	75	778	0	354	1143	52	80 09	69.3	109	13	178	1537	253	1056	446	25	104	187	91	167	122	178	126	43	3.1	3.9	9732			
1872	1815	1547	93	665	88	882	5	268	1271	52	82 15	55.9	120	23	259	1701	265	1289	396	16	160	179	97	163	135	173	133	42	3 1	4.3	11878			
1873	1958	1566	92	640	85	910	7	408	1201	64	77 48	69.5	186	13	291	1700	256	1195	441	64	187	171	129	158	156	165	166	44	3 3	6.0	13517			
1874	2153	1639	75	713	68	926	7	514	1342	54	81 88	72	127	10	234	1800	236	1251	314	120	183	167	111	144	149	159	146	41	2.7	5.6	15612			
1875	2357	1841	85	799	72	1022	13	516	1412	57	76 70	67	189	16	285	1989	233	1565	336	88	199	165	132	145	166	156	176	31	2 8	5 2	16993			
1876	2560	1906	92	900	82	1006	10	654	1621	45	85 04	48.9	150	20	245	2096	242	1696	308	92	210	173	163	148	185	160	182	36	3 2	5.7	17292			
1877	2131	1657	110	863	103	794	7	474	1739	57	80 80	51 8	130	20	147	1847	278	1270	339	48	144	184	104	135	108	175	178	33	2 8	5.5	18004			
1878	2275	1794	63	946	58	848	5	481	1461	45	81 43	71 4	134	12	200	1950	238	1578	354	38	187	182	132	154	165	168	170	34	2 8	5 2	18744			
1879	2310	1813	76	979	63	834	13	497	1462	46	80 63	60.5	143	12	222	1971	265	1289	396	16	160	179	97	163	135	173	133	42	3 1	4.3	11878			
1880	2701	2123	51	1117	46	1006	5	578	1731	32	81 53	62 7	151	6	351	2284	202	1864	371	45	188	189	156	146	170	152	165	35	2 5	4 5	20566			
1881	2786	2106	66	1074	57	1032	9	680	1853	37	82 19	56	189	14	391	2270	220	1835	419	26	195	161	139	147	166	150	168	39	2 79	4 41	18443			
1882	2587	2147	82	1127	73	1020	9	440	1775	47	87 83	57 3	177	8	348	2302	237	1876	399	12	195	166	143	149	168	156	167	35	2 84	4 41	16304			
1883	2460	2029	109	1035	93	985	16	440	1664	63	82 33	57.8	181	17	432	2185	276	1633	473	79	180	171	143	151	168	164	168	40	2 75	4 80	*7102			
1884	2494	2096	113	1043	95	1053	18	398	1685	57	80 39	59 4	191	17	397	2310	278	1815	448	47	186	175	129	154	165	166	159	40	3	4 14	14824			
1885	2636	2327	95	1178	84	1149	11	299	1945	62	85 38	65 3	192	17	443	2472	270	2044	382	46	184	185	147	159	167	171	166	26	2 38	4 08	17016			

*Out-patient Department open only five months.

TABLE No. 23.

TABLE SHOWING THE COST OF PRINCIPAL STORES AT McLEAN ASYLUM.

Articles.	1882.			1883.			1884.			1885.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, ... lbs.,	57,936½	$7,869.37	.1358	67,534	$8,604.15	.1274	69,313	$9,573.72	.1381	71,169	$9,350.98	.1313
Mutton and Lamb, "	20,340	2,104.57	.1034	23,280	2,406.70	.1033	22,221	2,154.00	.0969	26,865	2,288.99	.0852
Veal, ... "	13,367	1,445.17	.108	10,401	1,173.42	.1128	11,916	1,319.68	.1107	11,747	1,218.43	.1037
Poultry, ... "	18,946	3,815.64	.201	11,324	2,422.44	.213	12,806	2,753.43	.215	14,300	2,716.52	.189
Ham, etc., . . . "	9,724½	1,234.90	.126	7,970	1,043.39	.13	11,220	1,480.33	.131	13,105	1,358.58	.103
Eggs, ... doz.,	11,153½	3,143.77	.277	10,758	3,009.04	.279	10,579	2,590.78	.244	11,046	2,402.08	.216
Lard, ... lbs.,	1,041	133.08	.127	1,680	186.75	.111	2,045	201.10	.098	1,724	144.26	.083
Flour, ... bbls.,	455	3,767.15	8.279	507	3,690.67	7.279	541	3,531.57	6.527	528	2,901.42	5.49
Butter, ... lbs.,	20,780	6,276.21	.302	21,612	5,939.32	.274	20,991	5,497.28	.261	22,738	5,014.07	.220
Coffee, ... "	3,955	944.80	.2388	3,530	862.57	.244	2,904	720.65	.248	3,162	714.18	.234
Tea, ... "	1,522	501.31	.3294	1,406	460.54	.327	1,215	403.02	.331	1,286	433.42	.337
Sugar, ... "	26,489½	2,462.13	.0929	27,672	2,421.10	.874	28,351	1,951.19	.068	29,404	1,891.91	.064
Lights, Gas, etc., feet,		3,858.49			3,379.25			3,461.92			2,978.91	
Coal, ... tons,	1,200$\frac{352}{2000}$	7,284.95	6.07	1,022$\frac{1050}{2000}$	6,303.39	6.164	1,434$\frac{1393}{2000}$	7,786.65	5.427	1,190$\frac{530}{2000}$	6,297.49	5.29
Wood, ... cords,	14½	103.31	7.25	8½	55.25	6.50				10½	70.88	6.75
Ice, ... tons,	42 $\frac{1600}{2000}$	759.46	1.79	481$\frac{100}{2000}$	841.79	1.75	486$\frac{1800}{2000}$	930.62	1.911	426$\frac{500}{2000}$	955.49	2.241

Massachusetts General Hospital.

McLean Asylum Training School for Nurses.

The Trustees of the Massachusetts General Hospital having established, at the McLean Asylum for the Insane, a school for nurses, offer to give to women desirous of becoming professional nurses a two years' course of training in general nursing, with special reference to the care of cases of nervous and mental disease.

Those wishing to receive such a course of instruction must apply to the Superintendent of the McLean Asylum, Somerville, Mass.

The most desirable age for candidates is from twenty-one to thirty-five years. They must be in sound health, and must send with their application a certificate from a physician certifying to the fact; also, one from some responsible person as to their good character and good health. Upon the recommendation of the Superintendent of the Hospital and the approval of the Trustees, they will be received for two months on probation.

The Superintendent of Nurses has charge of the Training School, under the authority of the Superintendent of the Asylum and of the Board of Trustees; and the nurses are subject to the rules of the Asylum. Their fitness for the work and the propriety of retaining or dismissing them at the end of the two months of trial are determined by the authorities in charge of the School, under the direction of the Trustees; and the same authorities can in

like manner discharge them at any time in case of misconduct or inefficiency. They reside in the Asylum, and serve as assistant nurses in its wards.

All nurses are required to be sober, honest, truthful, trustworthy, punctual, quiet, orderly, cleanly, neat, patient, kind, and cheerful.

The instruction includes the general care of the sick; the managing of helpless patients in bed, in moving, changing bed and body linen, making of beds, etc.; giving baths, keeping patients warm or cool, preventing and dressing bed sores; bandaging, applying of fomentations, poultices, and minor dressings; the preparing and serving of food, the feeding of helpless patients and those who refuse food; the administering of enemas and use of the catheter; attendance upon patients requiring diversion and companionship; the observation of mental symptoms, delusions, hallucinations, delirium, stupor, etc., and the care of excited, violent, and suicidal patients.

They are also given instruction in the best practical methods of supplying fresh air, warming and ventilating sick-rooms in a proper manner, and are taught to take proper care of rooms and wards, in keeping all utensils perfectly clean and disinfected, etc.; to observe the sick accurately in regard to the state of the secretions, pulse, breathing, skin, temperature, sleep, appetite, effect of diet, of stimulants, and medicine; and the managing of convalescents.

The instruction is given mainly by the Superintendent of the Training School, and by the Supervisor and Head Nurses. Lectures and demonstrations will be given, at stated periods, by the Asylum Medical Staff. Examinations, chiefly upon practical points, take place from time to time.

The pupils are employed as assistant nurses in the wards of the ~~Hospital.~~ Asylum. All whose applications for

admission to the School are made after May 1, 1886, will be paid twelve dollars ($12) per month during the first year, and fifteen dollars ($15) per month during the second year, for their clothing and personal expenses. Their education during this time is considered as compensation for their services.

They are required to wear at all times, while on duty in the wards, the ~~hospital~~ Asylum uniform dress.

When the full term of two years is completed, the nurses thus trained receive (after final examinations) diplomas certifying to their period of training, their proficiency and good character.

The right is reserved to terminate the connection of any nurse or pupil with the School, for any reason which may be deemed sufficient.

N.B.— This paper to be filled in (in the Candidate's own handwriting), and sent to the Superintendent of McLean Asylum, Somerville, Mass.

QUESTIONS TO BE ANSWERED BY CANDIDATE.

1. Christian name in full of Candidate.
2. Are you a single woman or widow?
3. Your present occupation or employment?
4. Age last birthday, and date and place of birth?
5. Height? Weight?
6. In what school or schools educated? and in what place?
7. Are you strong and healthy? and have you always been so?
8. Are your sight and hearing perfect?
9. Have you any physical defects?
10. Have you any tendency to pulmonary complaint?
11. If a widow, have you children? How many? Their ages? How are they provided for?
12. Are you otherwise free from domestic responsibility, so that you are not liable to be called away?
13. Where (if any) was your last situation, and how long were you in it?
14. The names in full and addresses of two persons not of your own kindred, to be referred to. State how long each has known you. If previously employed, one of these must be the last employer.

 Name, ...
 Address, ...
 has known me years.

 Name, ...
 Address, ...
 has known me years.

Having read, and clearly understanding and agreeing to the foregoing conditions and regulations, I declare the above statement to be correct.

Signed, ...
Candidate.

Present Address, ...

Date, ... 188

PATHOLOGICAL REPORT.

EXAMINATIONS BY W. W. GANNETT, M.D., PATHOLOGIST.

CASE I.— General Paralysis. Three and a half years' duration. Male, aged forty. Frequent convulsions always beginning in the left hand and arm, sometimes limited to that limb. Death from embolism of the pulmonary artery.

Diagnosis: Brachycephalic skull; œdema of pia; chronic ependymitis: moderate atrophy of brain; chronic circumscribed-meningo-encephalitis.

Autopsy forty-two hours after death. Body well developed, well nourished, subcutaneous fat tissue everywhere abundant. Right thigh and leg slightly larger than left, not pitting on pressure. Rigor mortis marked. Ratio of head to body and cranium to face apparently normal. Skull markedly brachycephalic, symmetrical. Calvaria of normal thickness: its removal was attended with the escape of considerable clear fluid, ratio of diploë to tables normal. Dura mater quite firmly adherent to calvaria in central line, everywhere thin and translucent; nothing unusual observed on external or internal surface; superior longitudinal sinus contained a small amount of fluid blood; other sinuses showed nothing abnormal.

There was a considerable quantity of clear serum in the meshes of the pia, uniformly distributed over the convexities; moderate thickening and opacity of the pia along the course of the vessels. Vessels at base of brain and in the fissure of Sylvius showed nothing abnormal. Each lateral ventricle contained about 10 cc. of fluid; ependyma slightly thickened and granular; floor of the fourth ventricle granular, roughened. Brain substance rather flaccid, but tough: sulci in anterior portion wider than usual. On section, ratio of gray matter of cortex to white matter somewhat diminished; this most marked in the anterior frontal region; gray matter pale: section of white matter showed moderate moist surface; puncta cruenta well marked, though rather small. Section of corpora striata and optic thalami showed a diffused,

pale snuff-colored appearance. Section of medulla, pons, and cerebellum showed nothing abnormal. The pia was adherent, tearing away brain substance on its removal, over the lower portions of the ascending frontal and parietal convolutions on the right side.

There was chronic adhesive pleurisy of the left, and marked œdema of both lungs. In the right primary pulmonary artery was a firm, homogeneous, pale red thrombus, one end of which extended into one secondary pulmonary artery, the other end into the other branch, forming a rider, completely obliterating the lumen of the vessel; in one portion adherent to the inner wall. In the right iliac and femoral veins, from a point about 6 cm. below the inferior vena cava to the popliteal region, was a thrombus, tolerably firm, homogeneous, dark blue, for the most part adherent to the wall, and in many places obliterating the lumen; the end toward the vena cava was irregular. Other organs showed nothing remarkable.

Microscopic examination of brain, fresh. Marked increase in the neuroglia in the first layer of the cortex, especially in the lower portions of the gyrus parietalis superior and gyrus centralis of the right side; moderate degree of pigmentation of the ganglion cells of the gray matter of the cortex; moderate collection of ruby-red granular pigment in the adventitial lymph-sheaths; collections of similar pigment granules lying free in the gray cortex, white matter, and in the basal ganglia; pigmentation of the ganglion cells of the latter to a slight degree. No changes were observed in vessels of the pia beyond the pigment in the adventitial sheaths of smaller vessels dipping into the cortex.

Examination after hardening. The pia showed a slight increase in the number of dense connective-tissue fibres, with a moderate degree of infiltration of the same with round cells.

The first layer of the cortex was composed wholly of a series of the finest lines, crossing each other in every direction and giving the appearance of a very fine mesh; in this were to be seen a few round (lymphoid) cells and a few spider cells; the ganglion cells of the third layer pigmented, nothing beyond this. The blood vessels of the cortex and adjacent white matter empty and collapsed for the most part; a few contained an occasional red blood corpuscle. No changes in the vessel walls observed.

The ependyma of the lateral ventricles was four or five times as thick as normal, showing the same finely fibrous appearance described in connection with the cortex, only that the fibres were crowded more closely together,—a moderate number of spider cells in the mesh.

In two places, a collection of red blood corpuscles in the perivascular spaces was observed: but neither on these nor on other vessels were there any evidences of periarteritis or miliary aneurism formation.

Case II.— General Paralysis. Three and a half years' duration. Male, aged forty-seven.

Diagnosis: Œdema of pia; chronic leptomeningitis; diffuse meningo-encephalitis; moderate atrophy of brain, chronic diffuse ependymitis; internal hydrocephalus; état criblé, enlarged perivascular spaces of brain.

Autopsy thirty hours after death. Antero-posterior diameter of the skull 18 cm.; transverse, 14.8 cm. Calvaria thinned, diploë diminished; along the longitudinal sinus in two areas, 15 cm. in diameter, the calvaria was about 1 mm. thick. Dura presented unusual thickness along the median line; the superior longitudinal sinus contained partly coagulated blood; dark fluid blood in the lateral sinuses. In the meshes of the pia was a considerable collection of clear fluid, diffusely spread. The pia was thickened, opaque in patches, most marked along the course of the vessels. Sulci somewhat wider than usual. During the removal of the brain there was an escape of considerable fluid. Weight of brain, 1,420 grms. The lateral ventricles contained about 40 cc. of clear fluid; cavities dilated about three times the normal size; ependyma everywhere thickened and granular; choroid plexus pale, adherent to the floor of the ventricle, and showed at the extremities numerous small, thin-walled cysts, with clear contents; floor of the fourth ventricle showed a granular appearance. Striæ acusticæ indistinct. Brain substance softer than usual; puncta cruenta small; openings of vessels enlarged; gray cortex throughout more opaque than usual; here and there, thinner than normal. Basal ganglia on section showed a diffuse, pale yellow tint; somewhat more opaque than normal. Pia everywhere adherent, tearing away brain substance, on its removal. Other organs not remarkable.

Microscopic examination of brain, fresh. No corpora amylacea observed in the first layer, nor were the evidences of increased formation of interstitial tissue apparent. Moderate degree of pigmentation of ganglion cells of the third layer. Many of them contained glistening, refracting globular bodies, all of about the same size. The adventitial sheaths of the vessels were in many places separated from the media, in some places containing apparently nothing; in other places, free, red pigment and degenerated red blood corpuscles, enclosed in cells. Neither granu-

lar corpuscles nor fatty degenerated vessels observed. Basal ganglia: the ganglion cells contained pigment and glistening drops similar to those described in connection with the ganglion cells of the cortex.

Examination after hardening. Pia showed nothing abnormal. Cortex: in the first layer was to be seen here and there, in circumscribed patches, the fine fibrous network, as already described, with lymphoid cells, somewhat increased in size, lying in it, and also an occasional spider cell; in some parts of the first layer, only the neuroglia network was present, without any nuclei or spider cells; elsewhere, the first layer not remarkable. Vessels of cortex were moderately distended with blood corpuscles. In many places, the adventitial sheath was separated from the media, the space being filled with round cells and yellowish-brown granular pigment. Ganglion cells of third layer somewhat small; some showed nucleus and nucleolus indistinctly stained (rest of specimen well stained), with granular matter (protoplasm of cell) about them not stained, the cell boundaries being very irregular and broken.

Cord: in one portion of the cervical region, the columns of Goll and Burdach were separated by a broad band of connective tissue, this being the thickened connective tissue and neuroglia of the part; sections from other portions of the cervical cord showed no such appearances; the ganglion cells in general contained pigment. Dorsal cord: pigmentation of ganglion cells; nothing beyond this observed. Lumbar cord showed nothing abnormal; pigmentation of ganglion cells.

Case III.— Acute Delirious Mania. Duration, one week. Male, aged fifty-one.

Diagnosis: Moderate hyperostosis of skull; slight atrophy of the brain; œdema of pia.

Autopsy twenty-one hours after death. Body large, well developed, and well nourished. Ratio of head to body and cranium to face apparently normal. Antero-posterior diameter of the skull, 18 cm.; transverse diameter, 14 cm. Nothing unusual observed about the cranium. Calvaria measured in the thickest portions 11 mm.; in the thinnest, 4 mm.; nothing unusual about its external or internal surface. Dura everywhere translucent; superior longitudinal sinus contained a small amount of fluid blood; its lumen was nearly half filled by Pacchionian granulations; the lateral sinuses also contained a small amount of fluid blood; nothing unusual was observed about the inner surface of the dura mater. The pia was everywhere thin and delicate, the meshes

being filled with a clear serous fluid. The sulci were somewhat wider than usual. Weight of brain, 1,504 grms. Nothing unusual was observed about the vessels at the base or in the fissure of Sylvius. Each of the lateral ventricles contained a few centimetres of clear fluid: ependyma everywhere smooth and shining; velum interpositum and choroid plexuses were of a pale red color. Brain substance in general tolerably firm; on section, cut surface dry, puncta cruenta few and small; gray cortex apparently the usual degree of thickness, and rather pale. The ganglia at the base of the brain, the pons, medulla, and cerebellum showed nothing remarkable. The pia everywhere readily separated from the brain substance, its vessels contained only a moderate amount of blood.

In the right hypochondriac region was an abscess, containing about 100 cc. of a dirty puriform fluid, bounded in front by the junction of the ascending and transverse colon, posteriorly by the duodenum, and laterally and posteriorly by the gall bladder. No communication could be made out between the cavity of the abscess and the duodenum, colon, gall bladder, or the free peritoneal cavity. There was a slight degree of cloudy swelling of the kidneys; the mucous membrane of the pelvis of the right kidney was injected, velvety, and showed numerous small ecchymoses; the mucous membrane of both ureters was somewhat thickened, and covered with an abundant layer of creamy pus; a moderate cystitis in the neighborhood of the trigonum. There was emphysema of both lungs. Other organs not remarkable.

Microscopic examination of brain, fresh. A moderate degree of pigmentation of the ganglion cells; moderate collection of fat drops in the adventitial lymph spaces. Beyond this, nothing abnormal was detected anywhere in the brain. Brain not hardened.

Case IV.— Acute Mania. One week's duration. Female, aged thirty-five.

Diagnosis: Injection of the vessels of the brain and cord to a marked degree.

Autopsy seventy-two hours after death. Body small, fairly developed, fairly well nourished. Superficial parts of the body of a pale yellow tint. The ratio of head to body and cranium to face apparently normal. Skull symmetrical. Nothing unusual observed about the pericranium. Calvaria measured at its thinnest portion, 2 mm.; at its thickest, 6 mm.; ratio of diploë to tables as usual; sutures open; on the inner surface, numerous depressions along the middle line corresponded to the situation of

Pacchionian granulations; calvaria firmly adherent to the dura along the course of the longitudinal sinus. Dura everywhere thin and translucent; all the sinuses distended with partly coagulated blood. Pia everywhere thin and delicate. Sulci somewhat larger and wider than usual, the meshes containing a small amount of clear, thin fluid. Vessels of the pia throughout, from the largest to the smallest to be seen with the naked eye, distended with blood. Moderate escape of clear fluid from the cavity of the skull during removal of brain. Weight of brain, 1,440 grms. Vessels of the base and in the fissure of Sylvius were distended with fluid blood, with here and there a small coagulum; walls thin and delicate; the lumina everywhere perfect. Each lateral ventricle contained about 10 cc. of clear fluid; cavities of the usual size; ependyma everywhere smooth and shining; choroid plexuses of a dark reddish-blue color, and the vessels distended with blood; the velum interpositum also very dark; nothing unusual observed about the third and fourth ventricles. Brain slightly soft; gray matter of the convolutions 2 to 3 mm. thick and of a dark purplish color, showing, on close examination, numerous small red points; in many places, a pale narrow line, corresponding to the third layer, was to be made out; white matter of the usual color; puncta cruenta somewhat more abundant than usual; gray matter of corpus striatum and optic thalamus darker than usual; the larger vessels contained small clots, small red points representing the smaller vessels; the same appearance of the vessels of the pons, medulla, and cerebellum. Pia everywhere readily separable from the brain substance; considerable fluid in the space between the dura and pia of the cord; vessels of the pia distended with blood. On section, cord in general quite firm. The gray matter was of darker color than usual, and showed in many places the smaller vessels well injected.

There was acute fibrinous pneumonia of the upper and lower lobes of the right lung. Other organs not remarkable.

Microscopic examination of brain, fresh. Gray cortex: the ganglion cells showed only a few granules of pigment in each cell; these cells of good size and form. The vessels, large and small, were distended with blood corpuscles, so that the section looked like a close mesh of red lines made up of the capillaries and smaller arteries; no evidence of diapedesis observed in the fresh specimens. Basal ganglia showed the same appearances as regards ganglion cells and vessels. Cord showed the same appearances after hardening. Various portions of the cortex and the spinal cord throughout showed a very marked injection of the vessels, but nowhere any signs of diapedesis or other changes in the ganglion cells, nerve fibres, or neuroglia.

Case V.— Melancholia with Delusions. Two years and three months' duration. Male, aged fifty-six.

Diagnosis: Calcified plate in the dura; very slight œdema of pia; absence of right vertebral artery; chronic circumscribed leptomeningitis; chronic circumscribed interstitial myelitis.

Autopsy thirty-six hours after death. Body large, well developed, somewhat emaciated. Rigor mortis marked. Ratio of head to body and of cranium to face appeared normal. Nothing unusual about the pericranium or external surface of calvaria. Skull measured antero-posteriorly 192 mm., transversely 147 mm. Calvaria measured on an average 7 mm. in thickness; relation of diploë to tables normal; calvaria readily separable from dura. Dura translucent everywhere; sinuses contained a small amount of dark fluid blood; in the tentorium, a calcified plate about 6 mm. in diameter was found; inner surface of dura everywhere smooth, shining, and pale. In the meshes of the pia, between the sulci, was a very small amount of clear, thin fluid; the pia was thin, delicate, and translucent, and the vessels contained a moderate amount of blood. The brain filled the cavity of the skull, and weighed 1,552 grms. The vessels at the base and in the fissure of Sylvius showed thin delicate walls; the right vertebral artery was apparently absent, the left being proportionately enlarged. The lateral ventricles contained each about 5 cc. of clear fluid; the ependyma was everywhere smooth and shining; velum interpositum and choroid plexuses were of the usual color, and the latter were in one point on either side of the floor of the ventricle; fourth ventricle showed no unusual appearances. The brain substance, in general, was firm; the gray cortex measured 2 to 3 mm. in diameter, and was of good color, with here and there an opaque yellow line at about its middle; the white matter was firm and slightly moist, and the puncta cruenta marked. Section of the basal ganglia, the pons, medulla, and cerebellum, showed no appearance worthy of note. The pia was everywhere readily separable from the brain substance; in the neighborhood of the olfactorii, it was slightly thickened and opaque. There was a slight escape of clear fluid from the cavity of the skull during removal of the brain. The peridural fat tissue of the cord was abundant; the dura, pia, and cord itself showed in gross no unusual appearances.

There was pigmentation of the muscular substance of the heart; chronic adhesive pleurisy; putrid bronchitis with acute bronchopneumonia; chronic interstitial nephritis of a moderate degree, and cicatrices of the left kidney from embolism; brown atrophy of the liver.

Microscopic examination of brain, fresh. The ganglion cells of

the gray cortex contained a small amount of yellow granular pigment. The vessels contained but little blood; here and there along the course of the capillaries were to be seen circumscribed collections of fat drops, at regular intervals surrounding a nucleus [fatty degeneration of capillaries]. No separation of, or other change observed in, the adventitia of any of the vessels. Here and there, a granule or two of pigment lying free. White matter showed nothing unusual. Basal ganglia: the ganglion cells contained a few granules of pigment. Vessels contained about the normal amount of blood. Pia: pigment in the sheaths of the vessels. Cortex: in certain parts, in the very outermost layer of the cortex a slight degree of the finely fibrous appearance was to be seen, the deeper portions showing nothing unusual; nowhere were any spider cells observed: the ganglion cells of the third layer pigmented, bodies of cells of good size and form; the processes remarkably distinct. Cord, upper cervical: the same finely fibrous appearance described in detail in connection with the cortex of Case I. was seen in the right lateral region [cerebellar lateral column, *Kleinhirnseitenstrangbahn*]. A few spider cells were observed, but these were rather indistinct. Cervical enlargement: the same appearances as in the upper cervical, and limited to the same region [cerebellar column, right side]. Dorsal cord: in all segments, the medium and larger sized vessels showed a marked thickening of the walls, these presenting a clear, homogeneous, glistening appearance [hyaline degeneration, *Recklinghausen*]. In the left anterior cornu, the ganglion cells were diminished in number, and in the right anterior cornu had almost wholly disappeared, the cornu presenting but few nerve fibres, but many interlacing fine neuroglia fibres; the cornu showing an open, coarse meshwork. The lumbar cord was, in all parts examined, remarkably well preserved; the ganglion cells were present in sufficient numbers, were large, their outlines sharply marked, nuclei and nucleoli distinct. Some of the cells contained a moderate amount of pigment. Nowhere was any hyaline degeneration of the vessels observed.

Case VI.— General paralysis. Duration, about six years. Male, aged forty-nine. Convulsions involving principally the left side.

Diagnosis: Pachymeningitis interna chronica, hæmorrhagica, serosa et pigmentosa; chronic leptomeningitis; chronic ependymitis; internal hydrocephalus; atrophy and œdema of brain; injection of vessels of corpus striatum; pigmentation of the internal capsules, chronic meningo-encephalitis; chronic interstitial myelitis.

Autopsy twenty-four hours after death. Body medium sized,

well developed, somewhat emaciated. Rigor mortis present. Relation of head to body and of cranium to face apparently normal. Nothing unusual observed about the pericranium or external surface of the calvaria. Skull measured antero-posteriorly 185 mm., and transversely 136 mm. Calvaria varied in thickness from 2 to 5 mm.; relation of tables to diploë normal; calvaria readily separated from the dura. Dura seen *in situ* rather opaque and of a dark bluish color; convolutions not seen; over the inner surface of the dura of the convexities and posterior fossa were a series of layers of membranes which were thin, delicate, and translucent, the deeper ones firmly adherent to the dura, the others separated in places by layers of pigment; also two layers separated over a considerable area by a partly decolorized blood clot about 4 mm. in thickness; on the borders of these masses, the inner surfaces showed a snuff-colored appearance; from these points, a delicate adherent false membrane could be picked; the sinuses contained a small amount of partly coagulated blood. The brain did not fill the cavity of the skull, and weighed 1,395 grms. The meshes of the pia contained no fluid; the pia was thickened, opaque and cloudy throughout all the convexities and base, most marked along the course of the vessels. The vessels of the base and fissure of Sylvius showed everywhere thin walls, and contained a small amount of partly coagulated blood. Lateral ventricles distended to about twice their usual size; the ependyma everywhere thickened, granular, and warty; velum interpositum and choroid plexuses of about the usual color; the latter showed the presence of a few cysts about the size of dried split peas, containing a clear liquid; the plexuses were for the most part adherent to the floor of the ventricles; the ependyma of the third and fourth ventricles showed appearances similar to those described in the lateral ventricles, only that in the fourth the warty appearance was more pronounced.

The brain, as a whole, showed a marked diminution of the transverse diameter of the frontal regions; the brain substance in general was somewhat flaccid, and at the same time tougher and more leathery than usual. On section, the gray cortex was considerably thinned over the apices of the convolutions of the frontal regions, particularly of the right side, measuring only 1.5 mm. in thickness, pale in color, showing in many places narrow yellow opaque streaks, corresponding to the third layer of the pyramidal ganglion cells. The surface of the white substance showed a dirty yellowish-white tint; the surface somewhat moist and the puncta cruenta well marked. The section of the basal ganglia showed the corpus striatum to be of a darker purplish color than usual, and on

closer inspection numerous red streaks and specks were to be seen; the internal capsule of a yellowish-white tint: otherwise, the basal ganglia, together with the medulla, pons, and cerebellum, showed no appearance worthy of note. The pia was everywhere more adherent to the brain substance than usual, especially marked on the convolutions on either side of the fissure of Rolando on the right side, in which region the adhesions were so marked and extreme that considerable portions of the brain substance were removed with the pia; the same appearance to a less degree was observed in the corresponding region on the left side. The peridural fat of the cord was very slight in amount; the dura not remarkable; in the subdural space was a moderate collection of clear fluid; vessels of the pia contained but little blood; the cord in general showed no appearances in gross that were worthy of special notice.

The condition of the other organs was as follows: chronic circumscribed pericarditis, pigmentation of the heart, chronic adhesive pleurisy, broncho-pneumonia from inhalation, putrid bronchitis, atrophy of the spleen, moderate interstitial nephritis with cyst formation; slight pyelitis, hypertrophy of bladder, brown atrophy of liver, biliary calculi and chronic endaortitis.

Microscopic examination of the brain, fresh. Ganglion cells of cortex contained considerable granular pigment; the adventitial lymph sheaths considerably dilated, and filled with granular pigment, also free pigment; the vessels contained a moderate amount of blood.

After hardening. The inner surface of the dura was covered with a series of layers, varying in structure; dura itself, in the innermost portions, showed an increased development of blood vessels; next, a layer made up of connective-tissue fibres, with numerous spindle cells and a smaller number of round cells, also a small amount of granular pigment; the next layer contained scarcely any connective-tissue fibres, but was made up of large, well-marked spindle cells, lying parallel to one another; among these cells were a large amount of yellow granular pigment and some degenerated red blood corpuscles; next, a layer of still younger connective tissue, there being numerous round and fewer spindle cells, with a nearly translucent intercellular substance; here and there in this layer were large collections of red blood corpuscles [hæmorrhage]; lastly, a layer, made up of delicate, thin-walled, large-lumened blood vessels, filled with blood corpuscles, lying in a delicate connective-tissue stroma (various stages of chronic internal pachymeningitis). Considerable increase in the connective-tissue fibres of the pia, with a moderate

degree of infiltration with round cells. The outer two-thirds of the first layer of the cortex showed the finely fibrous appearance previously described; the lines [neuroglia fibres] being fine, the mesh formed by them rather coarse; a moderate number of round and oval nuclei; the spider cells everywhere many, in places numerous. In many places, the large pyramidal ganglion cells of the third layer had entirely disappeared, there being patches which showed the finely fibrous mesh of new-formed neuroglia, with extensive infiltration with round cells; in those portions of the third layer where the cells [ganglion] were preserved, they showed a marked degree of pigmentation. The adventitial sheaths of the vessel were extensively infiltrated with round cells, and contained, in addition, considerable pigment; where a medium or large-sized vessel had been cut transversely, the infiltration of the wall with round cells and the increase in the neuroglia fibres already mentioned were very apparent for a distance from the vessel of four or five times its diameter; the vessels contained a medium amount of blood. The changes above described were to be seen in the cortex of various portions of the brain. The white matter showed extensive round cell infiltration of the adventitial lymph sheath; otherwise, it was not unusual. Cord, upper cervical: the right anterior columns showed an extension inward from the pia of the finely fibrous, new-formed neuroglia, which took a deep stain; in these areas there was an almost complete disappearance of the nerve fibres. In the left posterior horn of one of the sections of the cervical enlargement was an oblong patch, made up wholly of round cells, closely packed together; the vessels in the gray cornua throughout the cervical enlargement showed extensive round-cell infiltration; the pia showed a slight degree of the same form of infiltration. Dorsal cord: marked thickening of pia, due to round-cell infiltration; ganglion cells throughout showed pigmentation, but no alteration in form or size; the processes were well preserved. Beginning with the upper cervical, and extending to the lowest lumbar region, was a progressively increasing thickness of the pia, due to round-cell infiltration.

Case VII.— General Paralysis. Two and a half years' duration. Death after a series of convulsions extending over a period of three days. Male, aged thirty-nine.

Diagnosis: Chronic diffuse leptomeningitis; moderate œdema of pia; injection of vessels of brain; hæmorrhages of cerebellum; circumscribed meningo-encephalitis; chronic ependymitis; leptomeningitis of cord with formation of lime plates.

Autopsy twenty-two hours after death. Body of medium size. Ratio of head and body and cranium to face normal; antero-posterior diameter, 179 mm.; transverse, 147 mm. Nothing unusual observed about the pericranium; sutures open. Calvaria varied in thickness from seven to ten mm.; ratio of diploë to tables normal; inner surface not unusual; readily separable. Dura everywhere translucent; sinuses contained a moderate amount of partly coagulated blood. Pia thickened and opaque in patches; meshes contained a moderate amount of clear fluid; vessels distended with blood. Brain nearly filled the cavity of the skull; weight, 1,603 grms.; a moderate amount of clear fluid escaped from the cavity of the skull, on its removal. Vessels of the base and fissure of Sylvius contained a considerable quantity of blood: walls thin and delicate. Each lateral ventricle contained about 10 cc. of clear fluid: ependyma somewhat granular and warty throughout; ependyma of third and fourth ventricles showed similar appearances, more marked in the latter; velum and choroid plexuses of a dark purple color.

Brain substance in general very firm and dry; cortex of about the usual thickness; white matter very dry; puncta cruenta numerous and marked. The ganglia at the base showed on section a pale purplish tint, and on close inspection red points and streaks; pons and medulla not remarkable. In the right half of the cerebellum there were extravasations of blood into the outer layer of the cortex, covering the small areas. Over the anterior and posterior central convolutions of the right half, the pia was adherent, tearing away brain substance on its removal; in corresponding portion of the left side, the pia was slightly more adherent than usual; in other situations easily removed. Moderate collection of clear fluid in the subdural space in the cord: vessels of the pia contained a large amount of blood; on section, the cord showed numerous red points and streaks.

There was chronic adhesive pleurisy on the left side; and acute broncho-pneumonia of the right lung, involving part of the upper and lower and the whole of the middle lobes. Other organs not remarkable.

The brain was not examined fresh, in this case, but was put at once into Müller's fluid.

Examination after hardening. Cortex: the first layer was converted throughout into a meshwork of finely fibrous lines: in this mesh were oval and round nuclei, also spider-cells: the latter, though well marked, were small; ganglion cells of the third layer were well preserved, but deeply pigmented. The vessels throughout the cortex contained rather more blood

than usual, except as below. There was marked round-cell infiltration of the adventitial sheaths; cross section of some of the larger vessels showing almost complete obliteration of the lumen, the adventitial space being widely distended with leucocytes [periarteritis, but no distinct miliary aneurisms were discovered]. Cerebellum: the meshes of the pia contained, in patches, free red blood corpuscles; these corpuscles were also to be seen extending along the sheaths of the vessels into the granular and nuclear layers. There were also circumscribed, nearly globular hæmorrhages in the granular layer, but for the most part connecting with the pia by narrow rows of blood corpuscles. No miliary aneurisms were discovered.

Cord, cervical region: round-cell infiltration of the pia to a moderate degree, with a slight increase in the number of connective-tissue fibres. The posterior half of the left column of Goll took a deep red stain (carmine), showing abundant neuroglia fibres, nuclei and a few spider cells; the nerve-fibres in this region had almost completely disappeared; ganglion cells of the gray matter pigmented, of good size and form; vessels showed round-cell infiltration of the walls; in many places, the adventitia was widely separated from the media and filled with round cells. Other portions of the cervical enlargement showed more widely spread interstitial changes in the left column of Goll, but nowhere as far advanced as in the portion previously described. Other portions of the cervical enlargement showed interstitial changes in both posterior halves along the posterior fissure; the pia here, three or four times as thick as usual, intimately adherent to the columns on either side, the interstitial changes extending into the columns. In the meshes of the pia projected into the anterior median fissure was considerable nearly homogeneous material, evidently fluid when fresh; marked round-cell infiltration of the pia in this part. In some portions were collections of round cells in oval or circular spaces, with little or no definite wall [suggesting lymphatics]. Dorsal cord showed nothing unusual. Lumbar cord: the posterior, inner part of both columns of Goll showed appearances similar to those described in connection with the cervical region.

Case VIII.—General Paralysis. Duration, about a year and three months. Male, aged forty-three. Death after a series of convulsions.

Diagnosis: Moderate degree of chronic ependymitis; meningo-encephalitis.

Autopsy thirty-five and a half hours after death. Body above

medium size, well developed, and well nourished. Ratio of head to body and of cranium to face normal; antero-posterior diameter, 179 mm.; transverse, 148 mm. Calvaria of usual thickness, readily separable from dura. Dura translucent; neither its external nor internal surfaces presented anything worthy of special note; sinuses contained a moderate amount of partially coagulated blood. No fluid in meshes of pia, which was thin and delicate; vessels contained a moderate amount of blood. Brain filled cavity of skull, and weighed 1,600 grms.; no escape of fluid from cavity of skull during removal of brain. Vessels of brain and fissure of Sylvius contained very little blood; walls thin and delicate, lumina free. Lateral ventricles contained no appreciable amount of fluid; ependyma smooth and shining; choroid plexuses pale; ependyma slightly warty in floor of fourth ventricle, just anterior to calamus scriptorius.

Brain substance in general quite soft; cortex usual thickness in most parts, usual color; in some a slight purplish tint, showing on careful examination numerous specks and streaks of dark red color; white matter showed dry cut surface; puncta cruenta of usual size. Basal ganglia showed on section both corpora striata quite pale, both nuclei centiformes of a purplish tint, but showed on more careful examination numerous purplish streaks and points; pons and medulla showed no appearance worthy of note. Pia throughout slightly adherent; in some places tearing away brain substance on its removal, in others leaving only a granular surface. Neither cord nor its membranes showed anything remarkable.

Examination of other organs showed chronic adhesive pleurisy, recent fibrinous pleurisy, acute broncho-pneumonia, gangrene of lung, putrid bronchitis, fatty infiltration of liver.

Microscopic examination, after hardening. The outer half of the first layer of the cortex showed the finely fibrous neuroglia meshwork described in connection with the earlier cases, with numerous spider cells. The ganglion cells of the third layer were small, irregular in outline, markedly pigmented. Of especial interest in the microscopic examination of this brain was the presence throughout the white matter of what were, apparently, very numerous spider cells; they were large, with clear contents, most having a nucleus the size of a leucocyte, situated laterally; the processes were numerous and well marked. Sections were treated with various staining fluids, especially carmine and hæmatoxylin, also double staining with carmine and hæmatoxylin, all showing same appearances. The appearance was a very striking one, that as of large spider cells scattered at regular intervals

through the white matter. The writer never saw this appearance before in the white matter, and does not remember to have seen any mention of it in the literature. Whether these were actual neuroglia cells or whether they represent dilated lymphatics must remain *sub judice*. Except for these spider cells, the white matter showed nothing unusual [beyond, also, the vessel changes to be presently described]. The vessels of the cortex and of the white matter were fairly well injected; the adventitia extensively infiltrated with round cells, and here and there with pigment.

The examination of the various regions of the cord failed to show any appearances varying from the normal; the dorsal and lumbar regions were not very well hardened, and the sections were not perfect, the pia with portions of cord separating in many places; the examination of such detached bits of pia and cord showed, however, nothing unusual.

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SEVENTY-THIRD ANNUAL REPORT

OF THE

TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

AND

McLEAN ASYLUM,

1886

Printed at the Expense of the Bowditch History Fund.

BOSTON:
GEO. H. ELLIS, PRINTER, 141 FRANKLIN STREET.
1887

REPORT OF THE TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

For the Year 1886.

The Committee of the Trustees appointed to prepare the annual report of the Board to the Corporation, to whom the accounts of the Treasurer and the reports of the other officials have been referred, respectfully submit the

SEVENTY-THIRD ANNUAL REPORT.

At the Hospital, two noteworthy changes in the staff of Visiting Physicians and Surgeons have taken place during the year. Dr. Henry J. Bigelow resigned after a distinguished and brilliant service of forty years as Visiting Surgeon; and Dr. George C. Shattuck, who had given thirty-six years of faithful and devoted work to the Hospital as Visiting Physician, declined a re-election. Dr. Frederick C. Shattuck, heretofore a Physician to Out-patients, was elected a Visiting Physician; and Drs. Arthur T. Cabot and Maurice H. Richardson were chosen Visiting Surgeons to fill the vacancies created by the resignations of Drs. Hodges and Bigelow.

Upon the resignation of Dr. Bigelow, the following minute was unanimously adopted: —

In 1846, the year of the enlargement of the Hospital and of the consequent increase in the number of the staff, Dr. Henry J. Bigelow, who had already rendered valuable Service, was elected to the Board of Visiting Surgeons.

During these forty years, the science of surgery and the methods of its application have made great and notable advances. The Trustees remember with great satisfaction, with pride for the Hospital, that it has been largely the scene of the various and brilliant contributions which Dr. Bigelow has made to this progress.

They offer him thanks for having, on former occasions, withdrawn his proffered resignation at their request; they assure him of their gratitude for his long, eminent, and skilful Service; and they request him to sit for his portrait or bust, to be placed, if agreeable to him, in the Operating Theatre of the Hospital.

On Dr. Shattuck's declining a re-election, it was

Voted, That the Secretary inform Dr. Shattuck that the Trustees unite in expressing their cordial recognition of his services to the Hospital during the past thirty-six years.

The immediate administration of the Hospital has been under the charge of Dr. John W. Pratt, as Acting Resident Physician. Dr. Pratt had previously assisted Dr. Whittemore, and also taken charge of the Hospital during Dr. Whittemore's illness and absence.

The whole number of patients received at the Hospital in the course of the year has been 2,580, 1,442 men, 948 women, and 190 children, of whom 21 were under two years old. For the year 1885 it was 2,327, 1,351 men, 794 women, and 182 children, 33 of whom were under the age of two.

The average number of patients in the Hospital has been this year 173, of whom, on the average, 152 had free beds. Last year, the average number of patients was 167, with an average of 150 free beds.

Twice in the course of the year there have been 208 patients inmates of the Hospital, the largest number ever known.

Children are always welcomed as patients at the Hospital. Their presence in a ward not only does good to older patients fortunate enough to be in the same room with them, but it is believed that

better results to the children are attained by having older patients among them.

The number of new patients treated in the Out-patient Department this year was 17,925.

The second sanitary tower has been completed; and changes rendered possible by the completion of the first sanitary tower have already been made in the east wards, by which twelve additional beds have been gained. Similar changes will be made this year in the wards served by the new tower, with an increase from all the changes, when finished, of twenty-two new beds in the spaces gained by the erection of the two towers. These additional beds make necessary more nurses, for whom increased accommodation should be provided if the Hospital funds permit.

At the Convalescent Home there have been in the course of the year 308 patients.

The Medical Staff of the McLean Asylum has been the same as last year.

The report of the Superintendent gives the statistics as to the numbers and classification of the patients, and the results of the treatment. It also contains an instructive account of the continued successful working of the Training School of Nurses for the Insane, established by him at this Asylum.

Nothing but the very large expenditure required, and the want of funds to meet it, delays the Trustees from at once proceeding with new Asylum buildings on the land so long ago bought by them for this purpose at Belmont. The exigency for this change is most serious and pressing, and the disadvantages and unfitness of the present situation of the Asylum are daily increasing.

Shortly after the death of Dr. Whittemore, a fund was raised by a subscription among his friends, and

presented, subject to certain annuities, to the Hospital as a permanent memorial of him, to be called "The Dr. James H. Whittemore Fund."

The sums thus given amount to	$33,700.00

There have also been received during the year: —

Bequest of Hannah C. Leland, income for free beds, . . .	15,000.00
Gift of S. R. Urbino (subject to annuities), ...	5,000.00
Bequest of Mrs. Esther R. Beebe, income for free beds, . .	2,000.00
Part of bequest of Mrs. Ella F. Roehl, income for free beds,	3,000.00
Part of bequest of M. P. Sawyer, income for free beds, . .	6,768.88
"Hospital Sunday" contributions, ...	15.83
Gift of George A. Gardner, the income for the use of the Convalescent Home, ...	5,000.00
Gift of Miss Mary Russell, for Convalescent Home Fund, .	20.00
Total.	$70,403 71

Of which, $65,383 are for the benefit of the Hospital, and $5,020 for that of the Convalescent Home.

The accounts of the Treasurer for 1885, together with the assets of the Corporation, have been examined and found correct.

From the report of the Treasurer, which is appended hereto, it will be seen that the ordinary expenses of the Hospital, Asylum, and Convalescent Home, taken together, exceed the entire income of the Corporation by the sum of $11,730.21. This amount, with the sum of $12,679.93 for permanent improvements at Belmont, and $17,342.41 for the construction of the second sanitary tower at the Hospital, make an aggregate of $41,759.55. This sum, representing the excess of the ordinary and extraordinary expenses of the Hospital over its income, has been drawn from the permanent general invested funds of the Hospital.

The excess of the ordinary expenses over the income is substantially due to the number of free beds at the Hospital. That this deficit should cease to

exist without curtailing the number of our free beds and diminishing our charity, we must make large additions to the subscribers to our free beds.

The subscription to the Free Bed Fund in 1885 amounted to only $9,450. Last year, probably as a result of the slight suggestion in our annual report, the subscriptions for free beds amounted to $10,182. Certainly, no charity presents a stronger appeal than this. The good it does and the relief it gives are sure. And in view of the present needs of the Hospital in this respect, apparent from the figures given above, the Trustees ask its many and never-failing friends to supply these pressing wants. The amounts required for subscription to free beds are, for one year, $100; for one life, with right upon nomination to extend it to two lives, $5,000; for railroad corporations, for use of one bed for twenty-five years, $10,000; for one year, $500: all subject to the Rules of the Hospital.

THORNTON K. LOTHROP, }
DAVID P. KIMBALL, } *Committee.*

REPORT OF THE TREASURER

OF THE

MASSACHUSETTS GENERAL HOSPITAL.

TO THE BOARD OF TRUSTEES:

Gentlemen,— In accordance with the Fifth Article of the By-Laws, the report of the accounts of the Massachusetts General Hospital, made up to the last day of December, 1886, is respectfully submitted, to be laid before the Corporation at its annual meeting.

Dr. FRANKLIN HAVEN, Jr., *Treasurer, in account with the* MASSACHUSETTS GENERAL HOSPITAL. *Cr.*

To Balance Cash on hand Dec. 31, 1885,	$19,766.05	By Cash paid Insurance,	$605.06
" Railroad Bonds paid,	5,200.00	" " " Annuitants,	2,175.17
" Union League Club Bonds paid,	2,000.00	" " " Annual Report, 1885,	354.33
" Donations and legacies,	70,524.71	" " " Improvements at Belmont,	12,679.93
" One-third profits Mass. Hospital Life Ins. Co.,	20,000.00	" " " Expenses of Hospital,	112,477.29
" Income from investments,	102,964.50	" " " Expenses of Asylum,	144,374.33
" Board of paying patients at Asylum,	138,568.91	" " " Expenses of Convalescent Home,	9,963.69
" Board of paying patients at Hospital,	15,490.58	" " " Account of H. Wilson,	517.95
" Board of paying patients at Convalescent Home,	944.00	" " " Sanitary Towers at Hospital,	17,342.41
" Amount received of John Wilson, as per contract,	2,500.00	" " " Investments,	80,416.67
" Subscribers for Free Beds ($4,900 received for this purpose in 1885),	5,912.00	" " " Library,	531.15
		" " " Wooden legs,	337.00
" Subscribers for Free Beds for 1887 in advance,	5,600.00	" " " Premiums,	5,834.09
" Edward Cowles, Superintendent, balance in account,	1,144.19	" " " Old difference in Hospital accounts,	.09
" John W. Pratt, Acting Resident Physician, balance in account,	1,198.96	" Balance Cash on hand Dec. 31, 1886,	8,704.74
" Boston & Albany Railroad Co. Stock dividend,	500.00		
" City of Boston Bonds paid,	4,000.00		
	$396,313.90		$396,313.90

The expense of carrying on the business of the Corporation for the year 1886 has been $266,815.31, namely: —

On account of Hospital Department, . . .	$112,477.29	
" " " McLean Asylum, ...	144,374.33	
" " " Convalescent Home, ...	9,963.69	
		$266,815.31

This expense has been met from: —

Amount charged to patients, ...	$155,003.49	
Income from various funds applicable, . . .	89,269.61	
Subscriptions for Free Beds for 1886, . . .	10,812.00	
Deficit drawn from the General Fund, . . .	11,730.21	
		$266,815 31

The receipts at the McLean Asylum exceeded the expenses $4,004.08, which amount has been credited to the General Fund; while the expenses at the Hospital have exceeded the receipts by $14,636.85, and at the Convalescent Home by $1,097.44, which amounts have been charged to the General Fund, making the net balance drawn from the General Fund $11,730.21, as above.

TABLE No. 1.

HOSPITAL DEPARTMENT.

Expenses and receipts for the year 1886: —

Expenses at the Hospital (see Table 4), . .	$112,477.29	
Receipts.		
Income from Redman Fund (see Table 7), .		$26,260.04
" " Free Bed Funds (see Table 7), .		34,640.33
" " Funds, income unrestricted (see Table 7), ...		2,308.00
" " General Fund (see Table 7), .		8,329.49
" " Free Bed Subscriptions (see Table 8), ...		10,812.00
Amount charged to patients, ...		15,490.58
Deficit from General Fund, ...		14,636.85
		$112,477.29

TABLE No. 2.

McLEAN ASYLUM.

Expenses and receipts for the year 1886: —

Expenses at the Asylum (see Table 5), . . .	$144,374.33	
Receipts.		
Income from Fund for Beneficiaries, ...		$4,328.00
" " " " Female Beneficiaries, .		4,904.50
" " Amusement Fund, ...		577.00
Amount charged to patients, ...		138,568.91
		$148,378.41
Balance of Receipts over Expenses credited to the General Fund, ...		4,004.08

TABLE No. 3.

CONVALESCENT HOME.

Expenses and receipts for the year 1886: —

Expenses at Convalescent Home (see Table 6),	$9,963.69	
Receipts.		
Income from Convalescent Home Fund, . .		$7,922.25
Amount charged to patients, ...		944.00
Deficit from General Fund, ...		1,097.44
		$9,963.69

TABLE No. 4.

Expenses of the Hospital Department: —

For Stores, ...	$38,216.54
Gas and Oil, ...	3,117.98
Water and Ice, ...	2,855.65
Wages, ...	28,750.73
Medicine, ...	3,005.87
Furniture, ...	6,629 21
Surgical Instruments, ...	2,393.93
Stationery, ...	854.50
Wines and Liquors, ...	2,306.70
Salaries, ...	3,597.00
One-half General Expenses, ...	947.85
Fuel, ...	7,897.71
Contingencies, ...	1,405.76
Repairs, ...	10,497.86
	$112,477.29

These expenditures have been for account of: —

2,124 Free Patients for 7,904 weeks, ...	$99,054.20	
456 Paying Patients for 1,092 weeks, . . .	13,423.09	
		$112,477.29
The average number of patients was, in 1885,	167	
The average number of patients has been, in 1886, ...	173	
The average cost per week was, in 1885, 8,684 weeks, ...	$12.00	
The average cost per week has been, in 1886, 8,996 weeks, ...	12.50	
The total expenses were, in 1885, ...	104,140.46	
The total expenses have been, in 1886, . . .	112,477.29	
The amount paid for account of free patients,		$99,054.20

The amount received for them has been: —

From Income of Free Bed Funds, . . .	$34,640.33	
From 88 Subscribers for this object (see Table 8), ...	10,812.00	
		45,452.33
		$53,601.87

The deficiency has been drawn in part from the income of the various funds applicable to the purpose, and the remainder from the General Fund.

TABLE No. 5.

EXPENSES OF THE ASYLUM DEPARTMENT.

For Stores,	$41,841.68	
Laundry,	8,914.55	
Fuel,	7,385 14	
Stationery,	562 25	
Medicines and Liquors,	2,837.20	
Contingencies,	1,872.49	
Furniture,	8,952.79	
Repairs,	13,443.45	
Diversions,	1,368.22	
Belmont Improvements,	3,756.17	
Water and Ice,	2,346.96	
Lights,	2,693.02	
Wages,	30,860.78	
Salaries,	8,210.00	
One-half General Expenses, $947.86; carriages, $192.25,	1,140.11	
Library,	500 00	
Stables,	4,373.76	
Garden,	2,915.00	
Lynn Cottage,	1,956.51	
		$145,930.08
Less Cr. Clothing, $267.16; Farm, $1,288.59,		1,555.75
		$144,374.33

These expenditures have been for account of: —

Patients paying cost and more,		$34,450.88
Patients paying less than cost,		109,923.45
The average number of patients in 1885,	171	
The average number of patients in 1886,	169	
The average cost per week in 1885,	$15.72	
The average cost per week in 1886,	15.94	
The total expenses in 1885,		140,278.86
The total expenses in 1886,		144,374.33
The amount expended at the Asylum for patients who have paid less than cost has been,		$109,923.45
The amount received has been: —		
From patients, 6,717 weeks' board at less than cost,	$62,977.71	
Income of Funds for Beneficiaries,	4,328.00	
Income of Funds for Female Beneficiaries,	4 904.50	
Income of Amusement Fund,	577.00	
		72,787.21
		$37,136.24

The deficiency has been drawn in part from patients paying more than cost, and the remainder from funds applicable to the purpose.

TABLE No. 6.

EXPENSES OF THE CONVALESCENT HOME.

For Stores,		$3,498.73
Gas and Oil,		34 32
Furniture,		313.98
Wages,		2,330.31
Fuel,		712.26
Ice,		99.89
Repairs,		734.10
Contingencies,		1,227.07
Labor and work on grounds,		912.16
Surgical Instruments,		25.10
Medicines,		50.37
Wines and Liquors,		25.40
		$9,963.69
Whole number of patients admitted during the year, males,	136	
Whole number of patients admitted during the year, females,	159	
		295
Whole number discharged during the year,		289
Remaining, Jan. 1, 1887, males,	11	
Remaining, Jan. 1, 1887, females,	8	
		19

TABLE No. 7.

INCOME FROM INVESTMENTS.

From Annuities Receivable,	$6,400.00
City Bonds,	418.89
United States Bonds,	400.00
Mass. Hospital Life Ins. Co. Stock,	7,000.00
Railroad Bonds,	34,793.59
Manufacturing Stocks,	2,944.00
Bank Stocks,	3,895.08
Real Estate, Productive,	25,333.20
Notes Receivable,	18,868.03
Union League Club Bonds,	300.00
Interest,	501.71
Railroad Stocks,	2,110.00
	$102,964.50

Which has been distributed as follows: —

To G. H. Gay Fund,		$316.42
Redman Fund,		26,260.04
Warren Prize Fund,		173.10
Bowditch History Fund,		115.40
Wooden Leg Fund,		288.50
Redman Annuities,		936.00
Clara Barton Annuity,		187.00
Surgical Instrument Fund,		77.90
Amusement Fund,		577.00
Free Bed Funds, { for use,	$34,640.33	
Free Bed Funds, { for Joy Annuitants,	700.00	35,340.33
Beneficiaries at Asylum Funds,		4,328.00
Warren Library Fund,		57 70
Treadwell Library Fund,		288.50
One-half Lincoln Fund,— Female Beneficiaries,		4,904.50
Funds with Income Unrestricted,		2,308.00
General Fund,		8,329.49
Convalescent Home Fund,		7,922.25
Asylum Building Fund,		9,654.37
Whittemore Fund,		750.00
Urbino Fund,		150.00
		$102,964.50

The Income for 1884 was,	$97,711.45
The Income for 1885 was,	97,911.71
The Income for 1886 has been,	102,964.50

TABLE No. 8.

SUBSCRIBERS FOR FREE BEDS FOR 1886.

William Amory,	$100	*Brought forward*,	$2,612
C. W. Amory,	100	P. C. Brooks, Jr.,	100
Oliver Ames & Sons' Corporation,	100	Shepherd Brooks,	100
		Mrs. H. H. A. Beach,	100
American Bell Telephone Co.,	112	Mrs. Laura M. Case,	100
		T. Jefferson Coolidge,	100
Boston & Maine R.R. Co.,	1,000	J. T. Coolidge, Jr.,	100
Boston & Lowell R.R. Co.,	300	Mrs. J. G. Cushing,	100
Boston & Providence R.R. Co.,	100	Charles P. Curtis,	100
		Greely S. Curtis,	100
Boston Gas Light Co.,	100	J. Randolph Coolidge,	100
Sidney Bartlett,	100	Cambridge R.R. Co.,	100
J. P. Bradlee,	100	Mrs. C. H. Dalton,	100
Mrs. E. B. Bowditch,	200	F. Gordon Dexter,	100
J. L. Bremer,	100	George Dexter,	300
Miss Brewer,	100	Stephen G. Deblois,	100
Martin Brimmer,	100	Samuel Eliot,	100
Carried forward,	$2,612	*Carried forward*,	$4,412

Brought forward, . . .	$1,412	*Brought forward*, . . .	$7,812
William Endicott, Jr., . .	100	Mrs. Caroline Merriam, .	100
Henry H. Fay, ...	100	C. J. Morrill, ...	100
Sarah S. Fay, ...	200	Misses M. C. and H. K.	
Joseph S. Fay, ...	100	Mixter, ...	100
Joseph S. Fay, Jr., . . .	100	Nonantum Worsted Co., .	100
Fitchburg R.R. Co., . . .	200	Old Colony R.R. Co., . .	100
John Foster, ...	100	Pacific Mills Relief Society,	100
George A. Gardner, . . .	100	F. H. Peabody, ...	100
Mrs. George Gardner, . .	100	W. D. Pickman, ...	100
John L. Gardner, . . .	200	F. W. Palfrey, ...	100
Joseph B. Glover, . . .	100	A. L. Rotch, ...	100
Mrs. Ozias Goodwin, . .	100	H. B. Rogers, ...	100
Miss Eliza Goodwin, . .	100	Henry Saltonstall, . . .	100
R. C. Greenleaf, ...	100	F. R. Sears, ...	100
W. O. Grover, ...	100	Mrs. G. H. Shaw, . . .	100
George Higginson, . . .	100	Henry S. Shaw, ...	100
F. L. Higginson, ...	100	Nathaniel Thayer, . . .	200
Miss Eunice Hooper, . .	100	E. V. R. Thayer, ...	100
George D. Howe, ...	100	J. E. Thayer, ...	100
Hoosac Tunnel Dock &		Bayard Thayer, ...	100
Elevator Co., ...	100	George W. Wales, . . .	100
E. W. Hooper, ...	100	Charles E. Ware, . . .	100
Samuel Johnson, ...	100	R. C. Winthrop, Jr., . .	100
Mrs. Charlotte A. Johnson,	100	Otis E. Weld, ...	100
Henry P. Kidder, . . .	200	Henry Woods, ...	100
Amory A. Lawrence, . .	100	Miss Anne Wigglesworth,	200
Mrs. Anna C. Lodge, . .	100	J. Huntington Wolcott, .	100
Theodore Lyman, . . .	100	Mrs. H. F. Wolcott, . .	100
W. Powell Mason, . . .	100	Mrs. Thomas Lindall Win-	
Miss Ida M. Mason, . .	100	throp, ...	100
Charles Merriam, . . .	100		$10,812
Carried forward, . . .	$7,812		

Total Free Bed Subscriptions (82) in 1885, ... $9,450

Total Free Bed Subscriptions (88) in 1886, ... 10,812

TABLE No. 9.— LIBRARY FUNDS.

TREADWELL LIBRARY FUND.

Balance, Dec. 31, 1885: —		
Principal, ...		$5,000.00
Income, ...	$218.00	
1886, amount of income received, ...	288.50	
	$506.50	
Amount of income expended, ...	531.15	
Overdraft, ...	$24.65	
Balance, Dec. 31, 1886: —		
Principal, ...		5,000.00
Income Debit Balance.	$24.65	

WARREN LIBRARY FUND.

Balance, Dec. 31, 1885: —		
Principal,		$1,000.00
Income,	$522.92	
Amount of Income received,	57.70	
	$580.62	
Balance, Dec. 31, 1886: —		
Principal,		1,000.00
Income,	$580.62	

TABLE No. 10.

WOODEN LEG FUND.

Balance, Dec. 31, 1885: —		
Principal,		$5,000.00
Income,		678.69
Amount of income received,	$288.50	$5,678.69
Amount received from K. M. Crockett in part for wooden leg for Albert Day,	38.00	
	$326.50	
Amount expended,	375.00	
	$48.50	48.50
		$5,630.19
Balance, Dec. 31, 1886: —		
Principal,	$5,000.00	
Income,	630.19	

TABLE No. 11.

THE BOWDITCH HISTORY FUND.

Balance, Dec. 31, 1885: —		
Principal,		$2,000.00
Income,		1,306.20
		$3,306.20
Amount of Income received,	$115.40	
Amount of Income expended,	354.33	238.93
		$3,067.27
Balance, Dec. 31, 1886: —		
Principal,	$2,000.00	
Income,	1,067.27	
	$3,067.27	

TABLE No. 12.

GENERAL FUND.

Balance, Dec. 31, 1885.	$1,135,373.92	
Add one-third profits of Mass. Hospital Life Ins. Co., ...	20,000.00	
Add amount received from J. Wilson, . .	2,500.00	
Add Boston & Albany Railroad Co. Stock dividend, ...	500.00	
Add amount received from Hospital Sunday,	15.83	
		$1,158,389.75
Less balance of Insurance Account, . . .	$605 06	
Less balance of premiums for Stocks and Bonds, ...	5,834.09	
Less amount paid account of H. Wilson, .	517 95	
Less amount paid account of J. Wilson, .	59.17	
Less old difference in Hospital accounts, .	.09	
Less balance of expenses over Income, . .	11,730.21	
Balance, Dec. 31, 1886, ...	1,139,643.18	
		1,158,389.75

TABLE No. 13.

RESTRICTED FUNDS.

Income devoted to Free Beds: —

The Joy Fund, being a bequest from Miss Nabby Joy, ...	$20,000.00
Belknap Fund, being a bequest from Jeremiah Belknap, ...	10,000.00
Wm. Phillips Fund, being a bequest from Wm. Phillips, ...	5,000.00
Williams Fund, being a bequest from John D. Williams, of estate No. 17 Blackstone Street, ...	19,600.00
Bromfield Fund, being half of a bequest from John Bromfield, ...	20,000.00
Miss Townsend Fund, being a donation from the Executors of the will of Miss Mary P. Townsend, ...	11,486.50
Brimmer Fund, being a bequest from Miss Mary Ann Brimmer, ...	5,000.00
Wilder Fund, being a bequest from Charles W. Wilder, ...	12,000.00
Sever Fund, being a bequest from Miss Martha Sever, ...	500.00
Amount carried forward, ...	$103,586.50

Amount brought forward, ...	$103,586.50
Thompson Fund, being a bequest from S. B. Thompson, ...	500.00
Tucker Fund, being a bequest from Miss Margaret Tucker, ...	3,312.37
Davis Fund, being a bequest from Mrs. Eleanor Davis, ...	900.00
Loring Fund, being a bequest from Abigail Loring, ...	5,000.00
Nichols Fund, being a bequest from B. R. Nichols, ...	6,000.00
Gray Fund, being a donation from John C. Gray, ...	1,000.00
Dowse Fund, being a bequest from Thomas Dowse, ...	5,000.00
Todd Fund, being a bequest from Henry Todd, ...	5,000.00
J. Phillips Fund, being a bequest from Jonathan Phillips, ...	10,000.00
Greene Fund, being a bequest from Benj. D. Greene, ...	5,000.00
Percival Fund, being a bequest from John Percival, ...	950.00
Pickens Fund, being a bequest from John Pickens, ...	1,676.75
Treadwell Fund, being part of a bequest from J. G. Treadwell, ...	38,703.91
Raymond Fund, being a bequest from E. A. Raymond, ...	2,820.00
Harris Fund, being part of a bequest from Charles Harris, ...	1,000.00
Mason Fund, being a bequest from Wm. P. Mason, ...	9,400.00
Sawyer Fund, being part of a bequest from M. P. Sawyer, ...	7,000.00
J. L. Gardner Fund, being a donation from J. L. Gardner, ...	20,000.00
B. T. Reed Fund, being a donation from Benj. T. Reed, ...	1,000.00
Wm. Reed Fund, being a bequest from Wm. Reed, ...	5,233.92
McGregor Fund, being half of a donation and bequest from James McGregor, .	7,500.00
Miss Rice Fund, being a bequest from Miss Arabella Rice, ...	5,000.00
Templeton Fund, being half of a bequest from John Templeton, ...	5,000.00
Amount carried forward, ...	$250,583.45

Amount brought forward, ...	$250,583.45
Mrs. J. H. Rogers Fund, being a donation from J. H. Rogers, ...	1,177.50
Beebe Fund, being a bequest from J. M. Beebe, ...	50,000.00
Lincoln Fund, being half of a bequest from Mrs. F. W. Lincoln, ...	85,000.00
Blanchard Fund, being a bequest from Mrs. M. B. Blanchard, ...	4,000.00
George Gardner Fund, being a donation from George Gardner, ...	1,000.00
Hemenway Fund, being a donation from the Executors of the will of Augustus Hemenway, ...	20,000.00
Jessup Fund, being part of a bequest from Dr. Chas. A. Jessup, ...	1,000.00
Tufts Fund, being a bequest from Quincy Tufts, ...	10,000.00
Read Fund, being half of a bequest from Jas. Read, ...	1,000.00
Parker Fund, being a bequest from Jno. Parker, Jr., ...	10,000.00
Miss Shaw Fund, being a donation and bequest from Miss M. Louisa Shaw, .	5,500.00
Eliza Perkins Fund, being a donation from Mrs. H. B. Rogers, ...	1,000.00
Dwight Fund, being a donation from Mrs. T. Bradford Dwight, ...	1,000.00
Hunnewell Fund, being a donation from H. H. Hunnewell, ...	10,000.00
R. M. Mason Fund, being a bequest from R. M. Mason, ...	5,000.00
Hannah Lowell Cabot Fund, being a donation from Dr. Samuel Cabot, . . .	1,000.00
Welles Fund, being a donation from Miss Jane Welles, ...	5,000.00
Black Fund, being a bequest from Miss Marianna Black, ...	2,000.00
Eben Wright Fund, being an assignment of legacies by the children of T. Jefferson Coolidge, ...	14,000.00
Paraclete Holmes Fund, being a donation from W. S. Adams, ...	2,000.00
Estabrooks Fund, being a bequest from J. W. Estabrooks, ...	1,000.00
The Thayer Fund, being a bequest from Nathaniel Thayer, ...	30,000.00
Amount carried forward, ...	$511,260.95

Amount brought forward, ...	$511,260.95	
Sawyer Fund, being part of a bequest from M. P. Sawyer, ...	53,124.71	
Ann E. Gray Fund, being a bequest from Miss Ann E. Gray, ...	5,000.00	
John Bertram Fund, being a donation from Mrs. Clara Bertram Kimball, .	5,000.00	
Hannah C. Leland Fund, being a bequest from Mrs. Hannah C. Leland, . . .	15,000.00	
Esther E. Beebe Fund, being a bequest from Mrs. Esther E Beebe, . . .	2,000.00	
Ella F. Roehl Fund, being part of a bequest from Ella F. Roehl, . . .	3,000.00	
Two subscriptions from Friends, $100 each, ...	200.00	$594,585.66
Income devoted to beneficiaries at Asylum:—		
The Bromfield Fund, being half of a bequest from John Bromfield, ...	$20,000.00	
Read Fund, being half of a bequest from Jas. Read, ...	1,000.00	
Appleton Fund, $10,010 being a bequest from Samuel Appleton, $20,000 being a donation from Wm. Appleton, . .	30,010.00	
McGregor Fund, being half of a donation and bequest from James McGregor, .	7,500.00	
Austin Fund, being part of a bequest from Mrs. Agnes Austin, ...	5,000.00	
Kittredge Fund, being a bequest from Rufus Kittredge, ...	5,500.00	
Templeton Fund, being half of a bequest from John Templeton, ...	5,000.00	
Proctor Fund, being a bequest from Mrs. Lydia P. Proctor.	1,000.00	
		75,010.00
		$669,595.66
Income devoted to Female Beneficiaries at Asylum:—		
The Lincoln Fund, being half of a bequest from Mrs. F. W. Lincoln, ...		85,000.00
Income unrestricted:—		
The Waldo Fund, being a bequest from Daniel Waldo, ...		40,000.00
Amount carried forward, ...		$794,595.66

Amount brought forward, ...	$794,595.66
Income devoted to any purpose except buildings: —	
The Redman Fund, being a bequest from John Redman, ...	455,113.34
Income devoted to a Triennial Prize: —	
The Warren Prize Fund, being a bequest from Dr. J. M. Warren, ...	3,000.00
Income devoted to the Library: —	
The Treadwell Library Fund, being part of a bequest from J. G. Treadwell, . . .	5,000.00
Income devoted to Books for Patients: —	
The Warren Library Fund, being a donation from Dr. J. C. Warren, ...	1,000.00
Income and Principal devoted to the publication of a History of the Hospital: —	
The Bowditch History Fund, being a bequest from N. I. Bowditch, ...	2,000.00
Income devoted to Amusements at the Asylum: —	
The Amusement Fund, $5,000 being a bequest from Miss Mary Louisa Shaw, $5,000 being a donation from Mrs. Quincy A. Shaw and other Ladies, ...	10,000.00
Income devoted to Special Surgical Instruments: —	
The Surgical Instrument Fund, being a donation from Dr. H. J. Bigelow, $1,250; donation of Mr. R. M. Moore, $100, .	1,350.00
The Wooden Leg Fund: —	
Being a bequest from N. I. Bowditch, . . .	5,000.00
Amount carried forward, ...	$1,277,059.00

Amount brought forward,		$1,277,059.00
The Convalescent Home Fund,	$132,280.66	
Donation from Mr. George A. Gardner,	5,000.00	
Donation from Miss Mary Russell,	20.00	
		137,300.66
Permanent Free Beds: —		
Miss Marian Hovey,	$1,000.00	
Mrs. Fanny H. Morse,	1,000.00	
Henry S. Hovey,	1,000.00	
Edward Woodman,	1,000.00	
Children of Mrs. Henry Windsor,	1,000.00	
D. R. Whitney,	1,000.00	
George Gardner,	1,000.00	
		7,000.00
Redman Annuities,		15,600.00
Clara Barton Annuity,		3,241.00
Asylum Building Fund,		176,974.47
G. H. Gay Fund,		5,800.33
Dr. J. H. Whittemore Memorial Fund,		33,720.00
S. R. Urbino Fund,		5,000.00
Add unused income at credit of		
Warren Prize Fund,	$753.02	
Warren Library Fund,	580.62	
Bowditch History Fund,	1,067.27	
Surgical Instrument Fund,	1,395.56	
Wooden Leg Fund,	630.19	
Clara Barton Annuity,	486.29	
Redman Annuities,	420.00	
		5,332.95
Total of Restricted Funds,		$1,667,028.41

Dr. TRIAL BALANCE, DECEMBER 31, 1886. *Cr.*

Land and Buildings for Asylum,	$320,794.75	Redman Fund,	$455,113.34	
Land and Buildings for Hospital,	520,008.53	Warren Prize Fund,	3,000.00	$753.02
Land and Improvements at Belmont,	82,954.28	Bowditch History Fund,	2,000.00	1,067.27
Annuities Receivable,	160 000.00	Wooden Leg Fund,	5,000.00	630.19
Insurance Stock,	50,000.00	Clara Barton Annuity,	3,241.00	486.29
Reversions (see "Suspense"),	10.00	Surgical Instrument Fund,	1,350.00	1,395.56
Delaware Mutual Insurance Company's Scrip,	520.00	Amusement Fund,	10,000.00	
Union League Club Bonds,	4,000.00	Free Beds Fund,	594,585.66	
Manufacturing Stocks,	43,400.00	Warren Library Fund,	1,000.00	580.62
Bank Stocks,	78,200.00	Beneficiaries at Asylum Fund,	75,010.00	
Railroad Stocks,	25,500.00	Treadwell Library Fund,	5,000.00	
Railroad Bonds,	590,200.00	Lincoln Fund,	85,000.00	
Notes Receivable,	418,100.00	Funds with Income Unrestricted,	40,000.00	
City and Town Bonds,	13,000.00	Permanent Free Beds Fund,	7,000.00	
United States 4% Bonds,	10,000.00	Suspense (see "Reversions"),	10.00	
Real Estate, Productive,	409,866.64	Notes Payable,	3,500.00	
Gay Building,	21,225.83	Asylum Building Fund,	176,974.47	
Edward Cowles, Superintendent,	30,967.80	General Fund,	1,139,643.18	
John W. Pratt, Acting Resident Physician,	1,604.85	G. H. Gay Fund,	5,800.33	
Sanitary Towers, Hospital,	26,749.52	Convalescent Fund,	137,300.66	
Treadwell Library Fund Income account,	24.65	Subscribers to Free Beds, 1887,	5,600.00	
Cash,	8,704.74	Redman Annuities,	15,600.00	420.00
		Joy Annuitants,	50.00	
		Dr. J. H. Whittemore Memorial Fund,	33,720.00	
		S. R. Urbino Fund,	5,000.00	
			$2,810,498.64	$5,332.95
			5,332.95	
	$2,815,831.59		$2,815,831.59	

Property on hand belonging to the Corporation invested as follows: —

INVESTMENTS PRODUCING NO INCOME.

Asylum:	Land and Buildings occupied for Asylum,		$320,794.75
	Superintendent's balance,		30.967.80
Hospital:	Land and Buildings occupied for Hospital,	$520,008.53	
	Gay Building,	21,225.83	
	Sanitary Towers,	26,749.52	
	Resident Physician's balance,	1,604.85	
			569,588.73
Convalescent Home:	Land and Buildings at Belmont,	$82,954.28	
	Memorandum of expectancies,	10 00	
			82,964.28
Treadwell Library, Dr. Balance of Income account,			24.65
			$1,004,340.21

INVESTMENTS PRODUCING INCOME.

Policies Mass. Hospital Life Ins. Co.,	$160,000.00
500 shares Mass. Hospital Life Ins. Co.,	50,000.00
$50,000 Eastern Railroad Co.'s Bonds,	50,000.00
$20,000 Kansas City & Cameron Railroad Bonds,	20,000.00
$5,000 Boston & Albany Railroad 7 per cent. Bonds,	5,000.00
$100,000 Chicago, Bur. & Quincy R.R. 7 per cent. Bonds,	100,000.00
$52,000 Chicago, Bur. & Quincy R.R. 5 per cent. Bonds,	52,000.00
$10,000 Chicago, Bur. & Quincy R.R. 4 per cent. Bonds,	10,000.00
$18,000 Chicago, Bur. & Northern R.R. 5 per cent. Bonds,	18,000.00
$4,000 Union League Club Bonds,	4,000.00
$100,000 Atch., Topeka & Santa Fé R.R. 7 per cent. Bonds,	100,000.00
$100,000 Atch., Top. & Santa Fé R.R. 4 1-2 per cent. Bonds,	100,000.00
$1,000 Atch., Topeka & Santa Fé R.R. 6 per cent. Bond,	1,000.00
$42,200 Bur. & Mo. River in Neb. R.R., Non-ex. 6 per cent. Bonds,	42,200.00
$10,000 Bur. & Mo. River in Neb. R.R., Exempt 6 per cent. Bonds,	10,000.00
$10,000 Atchison Land Grant 7 per cent. Bonds,	10,000.00
$10,000 Kansas City, Topeka & Western R.R. 7 per cent. Bonds,	10,000.00
$7,000 Cedar Rapids & Mo. River R.R. 7 per cent. Bonds,	7,000.00
$5,000 Bur., Cedar Rapids & Northern R.R. 5 per cent. Bonds,	5,000.00
$4,000 Ft. Scott, So. Eastern & Mem. R.R. 7 per cent. Bonds,	4,000.00
$20,000 Oregon Railway & Nav. Co. 7 per cent. Bonds,	20,000.00
$10,000 Fremont, Elkhorn & Mo. Valley 6 per cent. Bonds,	10,000.00
Amount carried forward,	$788,200.00

Amount brought forward,	$788,200.00
$16,000 Union Pacific Sinking Fund 8 per cent. Bonds,	16,000.00
$10,000 United States 4 per cent. Bonds,	10,000.00
$2,000 City of Providence 5 per cent. Bonds,	2,000.00
$6,000 City of Kansas 8 per cent. Bonds,	6,000.00
$3,000 City of Charlestown 6 per cent. Bonds,	3,000.00
$1,000 City of Lynn 6 per cent. Bond,	1,000.00
$1,000 City of Chelsea 6 per cent. Bond,	1,000.00
100 Shares Old Colony Railroad Co.,	10,000.00
155 " Boston & Albany Railroad Co.,	15,500.00
14 " Merrimack Manufacturing Co.,	14,000.00
1 " Appleton " "	1,000.00
9 " Amory " "	900.00
10 " Amoskeag " "	10,000.00
25 " Great Falls " "	2,500.00
5 " Boston " "	5,000.00
10 " Stark Mills " "	10,000.00
100 " National Union Bank,	10,000.00
100 " Suffolk National Bank,	10,000.00
70 " Tremont " "	7,000.00
50 " Old Boston " "	2,500.00
87 " State " "	8,700.00
100 " Columbian " "	10,000.00
100 " Merchants' " "	10,000.00
50 " New England National Bank,	5,000.00
40 " Massachusetts " "	10,000.00
50 " Eagle " "	5,000.00
Land and Store, 17 Blackstone Street,	19,600.00
" " " 168 Washington Street,	45,000.00
" " House, 61 Dartmouth Street,	10,000.00
Redman Estate, Washington Street,	106,000.00
Land and Houses on Warrenton Street,	17,700.00
" " Store, 496 Washington Street,	55,500 00
" " Houses on Chambers Street,	23,900.00
" " " " Cross Street,	12,691.64
" " House on Harrison Avenue,	9,975.00
" " " " Poplar Place,	2,500 00
Union Block, Union and Marshall Streets,	66,875.00
Robertson House, Hanover Street,	40,125.00
Notes secured by Mortgage,	153,100.00
$20,000 Notes Phila., Wilmington & Baltimore R.R. Co.,	20,000.00
Notes Receivable, Personal and Collateral Securities,	245,000.00
Delaware Mutual Ins. Co. Scrip,	520.00
Cash,	8,704.74
Investments producing income,	$1,811,491.38
Investments producing no income,	1,004,340.21
Total, foot of Trial Balance,	$2,815,831.59

F. HAVEN, JR., *Treasurer.*

TABLE OF THE EXPENSES OF THE HOSPITAL AND ASYLUM FOR TWENTY-FIVE YEARS,—1862 TO 1886.

ORDINARY EXPENSES.

Year.	Cost of Paying Patients.	Cost of Free Patients.	Other Charities.	Total Expenses of		Average cost per week per patient.		Cost over Board.	
	Hospital.	Hospital.	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.
1862	$6,628.65	$35,072.01	$414.15	$42,114.81	$71,823.46	$6.04	$7.27	$36,260.92	$6,640.81
1863	6,151.27	40,575.14	695.30	47,421.71	69,300.63	6.66	6.98	41,109.46	2,170.56
1864	10,224.81	49,286.53	648.21	60,159.55	101,484.38	8.38	9.76	52,445.01	4,523.85
1865	23,119.62	34,131.83	717.35	57,968.80	120,885.84	9.86	12.49	43,121.53	9,507.86
1866	30,086.08	37,538.12	1,162.60	68,786.80	126,015.83	13.88	12.30	53,809.36	558.19
1867	26,086.67	33,758.02	1,164.53	61,009.22	133,844.14	11.28	13.84	44,291.54	
1868	23,603.50	42,481.71	1,419.26	67,564.47	142,535.36	12.74	16.51	52,893.02	14,642.07
1869	20,128.86	40,736.44	1,373.30	62,238.60	138,132.02	10.14	14.21	48,811.90	
1870	15,844.35	46,087.42	883.05	62,814.82	134,339.63	10.05	13.83	50,811.01	
1871	15,266.51	47,126.12	1,133.74	63,526.37	146,191.23	9.96	15.80	52,447.68	9,996.88
1872	12,664.70	56,537.74	1,497.86	70,700.30	153,327.60	10.10	16.93	59,547.91	14,917.57
1873	16,681.66	69,109.97	2,135.29	87,926.92	165,023.79	10.29	19.23	72,435.94	26,404.27
1874	14,198.41	64,266.27	2,634.60	81,099.28	161,934.11	10.13	19.59	67,548.81	2,750.66
1875	10,677.72	71,447.23	1,761.59	83,886.54	165,660.47	9.72	21.07	71,989.93	11,872.47
1876	11,344.58	82,033.60	1,312.94	94,691.12	164,973.80	9.41	19.72	82,027.86	13,019.51
1877	10,833.10	72,678.63	279.16	83,790.89	143,148.94	9.47	15.66	72,957.79	
1878	11,252.42	85,102.61	588.98	96,944.01	136,394.36	9.87	15.55	83,516.61	
1879	11,564.44	77,216.88	514.25	89,295.57	117,250.02	10.54	14.30	73,440.58	
1880	10,529.35	81,085.73	462.82	92,077.90	131,172.69	10.39	16.48	79,280.61	10,078.33
1881	13,462.12	88,241.17	450.51	102,153 80	134,561.14	11.87	16.92	88,268.68	20,719.30
1882	12,947.98	95,642.45	8,928.82*	117,519.25	138,518.26	12.43	17.02	95,684.95	18,172.21
1883	18,389.28	90,665.70	6,575.92*	115,630 90	139,711.39	12.63	16.16	91,213.57	5,376.89
1884	21,476.00	101,954.31	6,873.69*	130,304.00	139,201.67	14.75	16.00	107,974.18	2,612.02
1885	10,728.87	93,411 59	8,483.90*	112,624.36	140,278.86	11.99	15.72	87,464 96	
1886	13,423.09	99,054 20	10,831.84*	123,309.13	144,374 33	12.50	15 94	96,986.71	5,805.42
25 years.								$1,706,340.52	$179,768.87

* Including Convalescent Home.

ANNUAL REPORT OF THE RESIDENT PHYSICIAN

OF THE

MASSACHUSETTS GENERAL HOSPITAL.

For the Year 1886.

Number of Patients in the Hospital January 1, 1887.

Paying,	17
Free,	159
Total,	176

Admitted from January 1, 1886, to January 1, 1887.

	Males.	*Females.*	*Total.*
Patients paying board.	249	143	392
Patients paying board part of the time,	48	16	64
Patients entirely free.	1,276	848	2,124
	1,573	1,007	2,580

	Medical.	*Surgical.*
Males (Boys), 131.	454	1,119
Females (Girls), 59.	476	531
	930	1,650

Of these, 7 paid $35; 1 paid $28; 70 paid $21; 1 paid $15; 145 paid $14; 1 paid $10.50; 2 paid $10; 1 paid $8; 213 paid $7; 12 paid $5; 1 paid $3.50; 2 paid $3.

Whole number of patients treated during the year: paying, 409; paying a part of the time, 64; free, 2,283; total, 2,756.

Discharged during the Year.

	Medical.	*Surgical.*	*Male.*	*Female.*	*Total.*
Well,	510	1,179	1,061	628	1,689
Much relieved,	120	40	89	71	160
Relieved,	97	154	147	104	251
Not relieved,	35	29	32	32	64
Not treated,	66	109	85	90	175
Dead,	92	100	143	49	192
Insane and eloped,	3	15	15	3	18
	923	1,626	1,572	977	2,549

Number of Patients remaining December 31, 1886.

Males,	95
Females,	81
Total,	176
Paying,	17
Free,	159
Total,	176
Medical,	70
Surgical,	106
Total,	176

Proportion of deaths to whole number of results, 7.53 per cent.

Number of patients received on account of accidents, 471.

The greatest number of paying patients at any one time was 30; in private rooms, 8; the greatest number of free patients, 178; the greatest total, 206. The least number of paying patients at any one time was 9; in private rooms, 1; the least free, 123; the least total, 133.

The proportion of ward beds occupied by free patients was 85 per cent.; by paying patients, 15 per cent.

About 17.9 of the paying patients occupied private

rooms. The average number of patients was 173: males, 99; females, 74.

The average number of paying patients was 21: Americans, 15; foreigners, 6.

The average number in private rooms was 6.1.

The average number of free patients was 152: Americans, 75; foreigners, 77.

The average time of paying patients was 2.78 weeks; and that of free patients, 3.72.

Residences.

Boston,	906
Massachusetts (excepting Boston),	1,531
Maine,	28
New Hampshire and Vermont,	50
Rhode Island and Connecticut,	14
Other States,	22
British Provinces,	29
	2,580

Birthplaces.

Boston,	204
Massachusetts (excepting Boston),	678
Maine,	145
New Hampshire,	83
Vermont,	40
Rhode Island and Connecticut,	38
New York,	61
Southern and Western States,	64
Total Americans,	1,313
British Provinces,	304
Great Britain,	195
Ireland,	653
Germany,	27
Norway and Sweden,	41
France,	8
Switzerland,	2
Italy,	16
Other places,	21
Total foreigners,	1,267

Occupations.

Males.	*Paying.*	*Free.*	*Partial.*
Mechanics,	55	332	18
Laborers,	22	419	10
Farmers,	18	44	4
Minors,	9	129	2
Seamen,	4	32	
Clerks,	31	88	2
Teamsters,	4	47	3
Traders,	18	56	3
Servants,	2	45	2
Lawyers,	3		
Clergymen,		2	
Physicians,	13	3	
Merchants,	36	12	
Students,	18	15	
Other professions,	16	52	4
	249	1,276	48

Total males, 1,573. Of these, 55 were in private rooms.

Females.	*Paying.*	*Free.*	*Partial.*
Domestics,	12	286	2
Minors,	12	67	1
Wives,	78	285	8
Widows,	10	43	4
Seamstresses,	3	38	
Spinsters,	12	23	1
Operatives,	2	12	
Teachers,	2	5	
Clerks,	2	18	
Nurses,	1	32	
Other professions,	9	39	
	143	848	16

Total females, 1,007. Of these, 30 were in private rooms.

Thirteen per cent. of the free patients were female domestics; twenty per cent. were laborers; fifteen per cent. were mechanics; and nine per cent. were minors.

Admissions Refused.

Phthisis (Consumption),	9
Syphilis,	13
Chronic Ulcers,	8
Scrofula and Abscesses,	2
Carried forward,	32

Brought forward,	32
Insanity and Delirium Tremens,	1
Hip and Spine,	12
Debility and Senility,	1
Chronic Rheumatism,	11
Paralysis,	16
Epilepsy,	5
Cancer,	1
Uterine,	1
Injuries,	1
Of Skin,	7
Contagious,	4
Other diseases,	14
Total,	106

Males,	73
Females,	33
Americans,	70
Foreigners,	36
Residents of Boston,	40
Residents of Massachusetts,	52
Residents of other places,	14

Out-patients.

Number of new patients,	17,925
Men,	8,337
Women,	6,732
Children,	2,856
Americans,	9,215
Foreigners,	8,710
Residents of Boston,	9,890
Of other places,	8,035
Medical department for women,	3,971
Medical department for men and children,	3,900
Surgical department,	5,740
Ophthalmic department,	646
Department for diseases of the skin,	1,652
Department for diseases of the nervous system,	825
Department for diseases of the throat,	1,191

Total attendance, 47,035.
Average daily attendance, 150.

Of the surgical cases there were: —

Head and face,	309
Trunk,	283
Fractures of clavicle,	46
Shoulder and arm,	230
Carried forward,	868

Brought forward,	868
Forearm and wrist,	333
Elbow,	131
Hand,	905
Hip joint,	91
Thigh, leg, ankle, foot,	452
Knee,	250
Genito-urinary,	382
System rectum,	303
Syphilis,	145
New growths,	387
Bones and Periosteum,	110
Rheumatism and Neuralgia,	78
Abscesses and Inflamed Glands,	611
Ulcers,	197
Burns and Miscellaneous,	497
Total,	5,740

Number of applicants,	15,136
Number admitted,	13,979
Number refused,	441
Number sent to physician's office,	676
Number visited,	1,348
Number visited, correct statement,	769
Number visited, incorrect statement,	579

Convalescent Home: —

Admitted to the Home in 1883,	101
Admitted to the Home in 1884,	187
Admitted to the Home in 1885,	315

	Males.	*Females.*	*Total.*
Remaining Jan. 1, 1886,	6	7	13
Admitted during 1886,	136	159	295
Total,	142	166	308
Discharged,	131	158	289
Remaining Jan. 1, 1887,	11	8	19

The Young Men's Christian Union gave us seventy-five rides, taking out three hundred and forty-six patients.

Respectfully submitted,

JOHN W. PRATT,
Acting Resident Physician.

Boston, Jan. 1, 1887.

TABLE SHOWING THE COST OF THE PRINCIPAL STORES AT THE MASSACHUSETTS GENERAL HOSPITAL.

Articles.	1878.			1879.			1880.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, Sirloin, lbs.	7,729	$1,610.72	.2084	8,375	$1,716.87	.205	8,815	$1,692.99	.1941
" for Soup, "	132	5.28	.04						
" Corned, "	4,378	324.72	.07415	123	288.61	.07	4,952	346.64	.07
" Round, "	11,944	1,016.43	.0851	12,973	1,054.70	.0813	16,414	1,148.98	.07
" Rump, "	4,158	635.34	.1528						
" Roasting, "	14,998	1,349.82	.09	14,141	1,341.98	.0949	16,439	1,643.90	.10
Mutton, . . "	15,808	1,903.28	.1204	12,592	1,385.12	.11	15,522	1,876.60	.1208
Poultry, . . "	14,079	2,276.57	.1617	14,488	2,433.98	.168	13,682	2,123.44	.1552
Butter, . . . "	10,156	2,500.40	.2462	10,526	2,589.39	.246	11,011	3,366.06	.3057
Eggs, . . doz.	5,495	967.12	.176	4,392	843.26	192	4,214	866.39	.2056
Flour, . . bbls.	42	323.82	7.71	37	266.80	7.40	51	440.15	8.65
Bread, . . lbs.	35,800	1,790.00	.05	36,556	1,827.80	.05	40,536	2,026.80	.05
Ice, . . . tons.	238½	808.25	3.333	271¼	714.70	2.63	280¼	1,297.56	4.63
Sugar, . . lbs.	12,979	1,023.65	.0781	15,462	1,189.32	.769	21,005	2,003.87	.0954
Tea, . . . lbs.	738	254.61	.345	848	337.82	.398	1,134½	471.95	.416
Milk, . . . qts.	107,618	5,380.90	.05	96,186	4,934.34	.0513	89,904½	4,495.22½	.05
Potatoes, . bush.	973	964.61	.77	942	1,010.76	1.073	1,039½	902.58	.868

Articles.	1881.			1882.			1883.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, Sirloin, lbs.	8,658	$1,792.20	.207	7,856	$1,931.95	.245	8,793	$1,975.38	.224
" for Soup, "									
" Corned, "	5,183	367.99	.07	6,522	673 76	.103	6,925½	670.88	.095
" Round, "	19,477	1,636.06	.084	19,705	1,976.68	.103	22,327	2,120.83	.095
" Rump, "									
" Roasting, "	16,438	1,758.86	.107	16,221	2,159.07	.133	16,962	2,047.78	.120
Mutton, . . "	21,093	2,720.99	.129	16,365	2,216.01	.135	21,075	2,999.89	.142
Poultry, . . "	13,562	2,278.41	.168	12,082	2,348.41	.195	10,263	2,318.56	.225
Butter, . . . "	11,129	3,505.63	.315	16,843	3,770.97	.221	10,468	3,329.97	.317
Eggs, . . doz.	4,401	1,188.27	.26	5,234	1,470.59	.281	5,479	1,491.60	.272
Flour, . . bbls.	49	468.73	9.565	49	459.25	9.937	52	406.00	7.80
Bread, . . lbs.	4,892	1,744.60	.05	35,340	1,943.70	.055	34,971	1,923.42	.055
Ice, . . . tons.	305	887.55	2.91	352¾	737.72	2.209	380⅞	679.27	1.78
Sugar, . . lbs.	20,552	1,901.06	.09	22,192	2,021.57	.091	20,980	1,801.38	.086
Tea, . . . lbs.	555	244.22	.44	1,114	446.85	.401	1,074	432.60	.402
Milk, . . . qts.	92,350	4,617.50	.05	95,358	5,007.70	.052	106,032	5,637.78	.053
Potatoes, . bush.	981	1,101.66	1.125	1,005	1,374.72	1.368	1,062½	1,129.15	1.063

Articles.	1884.			1885.			1886.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, Sirloin, lbs.	8,845½	$2,183.64	.246	9,543	$2,160.12	.226	9,764	$2,206.32	.225
" Corned, "	6,487	583.08	.09	6,345	561.45	.088	6.216	493.61	.08
" Round, "	25,821	2,531.60	.098	25,140	2,220.83	.08	28,474	2,456.05	.088
" Rump, "									
" Roasting, "	16,438	2,003.44	.121	17.220	1,936.58	.112	18,346	1,972.72	.10
Mutton, . . "	15,186½	2,102.29	.138	13,189	1,585.60	.1	11,721	1,536.20	.12
Poultry, . . "	12,798	2,523.79	.197	12,149	2,256.83	.185	13,704	2,286.25	.16
Butter, . . "	11,321	3,636.60	.32	11,447	3,368.27	.294	12,122	3,576.20	.294
Eggs, . . doz.	8,374	2,182.67	.26	9,4 3	2,328.48	.25	8,971	2,091 22	.25
Flour, . . bbls.	53	383.25	7.23	55	341.85	6.21	55	316.55	5.75
Bread, . . lbs.	36,245	1,992.48	.054	36,685	2,017.67	.055	35,688	1,962.83	.055
Ice, . . . tons.	40,755	773.20	1.89	433 65/100	966.57	2.22	487.52	1,123.21	2.30
Sugar, . . lbs.	22,474	1,563.49	.069	21,245	1,288.45	.06	23.042	1,357.59	.055
Tea, . . . lbs.	1,080	435.85	.403	853	341.70	.40	1,205	482.00	.40
Milk, . . . qts.	111,068½	5,907.26	.053	110,332	5,943.84	.053	113,669	6,054 88	.052
Potatoes, . bush.	1,195	1,005.25	.917	1,158	1,001.25	.942	1,100	1,021 77	.928

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS AT THE MASSACHUSETTS GENERAL HOSPITAL, FROM SEPTEMBER 3, 1821, TO DECEMBER 31, 1885.

Year.	Total admitted.	Whole number treated.				Discharged well.	Percentage on "Total admitted."	Much relieved, or relieved in part.	Not relieved.	Not treated, unfit, dismissed, etc.	Deaths.	Percentage on "Total admitted."	Greatest number free at one time.	Greatest number paying at one time.	Greatest total.	Least total.	Average.	Accidents.	Percentage.	Average time of paying weeks.	Average time of free weeks.	Patients remaining under treatment Dec. 31.		Out-patients treated.		
		Free.	Paying board all the time.	Paying part of the time.	Paying board.	Paying board part of time.	Free.															Paying.	Free.			
21 to 1843	8727	3733	4482	512				3991		2902	913	105	624		...		123	54								
1843	365	183	167	15				136	37	115	55	17	41	11	...	...	56	33	47*			4	6			
1844	435	250	174	11				183	43	137	41	23	47	11		30	71	40	53	55	12*	3 6-7	7 1-7			
1845	453	265	176	12				205	45	130	37	28	54	12	44	34	72	37	56	62	14	5 4-7	6 6-7			
1846	459	250	182	27				211	46	137	30	33	36	8	44	28	72	37	55	59	13	3 1-2	4 3-4			
1847	674	354	279	41				340	50	145	54	30	57	8	82	41	123	54	81	74	11	3 1-2	4 1-2			328
1848	804	460	283	61				400	50	219	52	39	103	13	86	38	124	94	108	103	12*	3 1-7	5			378
1849	870	543	273	54				436	50	218	75	58	84	9	89	38	127	90	112	97	11	2 4-7	5 5-7			272
1850	746	427	242	77				363	48	200	56	49	76	10	103	33	136	83	108	98	13	2 6-7	6			294
1851	839	477	298	64				387	46	235	47	63	98	11	93	48	141	77	112	123	15	3	6			237
1852	826	472	271	83			...	410	50	234	52	47	82	10	105	41	133	101	119	132	16	3 1-4	5			248
1853	925	505	335	85				431	46	287	70	66	82	9	108	39	142	108	120	159	17	3 1-6	7			358
1854	922	490	321	111				423	46	257	73	41	115	12	112	45	145	125	133	212	23	4	10			477
1855	915	416	352	147				456	50	238	59	51	102	11	107	59	152	114	134	157	17 3-10	3 3-7	11 4-7			645
1856	976	545	335	96				478	49	230	77	71	117	12	114	48	153	120	140	189	19	3	5			887
1857	920	549	280	91				510	55	195	57	66	130	14	119	40	157	103	128	163	17 7-10	2 2-3	5			1574
1858	1015	718	251	46				514	50	229	65	50	127	13	120	31	144	91	123	186	18*	4	7*			2223
1859	1240	934	257	49	287	49	1040	653	53	280	54	94	141	11	145	37	165	92	131	212	17	4	4 2-3	14	140	3523
1860	1240	997	201	42	215	42	1137	698	56	305	73	58	121	9 3/4	149	33	175	80	128	233	18 7-10	4	6	15	121	4433
1861	1416	1131	253	32	268	32	1252	831	59	318	79	57	99	7	135	37	162	120	140	297	21	4	5 3-4	16	124	4676
1862	1611	1175	425	11	441	11	1299	843	52	431	77	154	101	6 1/4	133	45	166	102	134	271	16 3-4	2 1-10	4 1-10	25	120	4800
1863	1648	1348	283	17	308	17	1468	856	52	459	96	70	162	9 9/16	135	29	158	116	137	292	17 7-10	3 4-10	4	24	126	4987
1864	1199	1262	326	11	350	11	1388	916	57	390	84	61	130	8	139	33	157	110	138	242	15 2-10	3.18	4.37	25	123	5619
1865	1199	564	567	68	592	68	687	702	59	295	68	74	104	8 3/4	137	72	164	88	113	140	11 7-10	3.67	4.85	45	59	5356
1866	1120	497	578	45	693	45	556	677	60	82	50	74	96	8 1/2	62	58	109	78	95	132	11 7-10	3.40	5.10	45	50	5608
1867	1206	626	556	24	601	24	676	676	56	282	62	141	94	7.8	77	62	126	72	104	113	9.36	3.37	4.26	39	69	4553
1868	1265	771	463	31	302	31	840	757	60	258	64	82	85	7	97	56	132	69	102	98	7.74	3.00	3.50	31	96	5264
1869	1390	834	532	24	563	24	930	771	55 1/2	352	78	84	107	7.7	98	55	139	90	118	93	6.69	3.40	4.30	25	100	6953
1870	1302	858	414	30	439	30	958	780	60	303	65	68	85	6.45	106	45	137	98	120	140		3.37	4.82	24	86	8767
1871	1427	970	432	25	456	25	1056	821	57 1/2	322	58	73	109	7.64	126	43	154	91	122	178		3.12	3.92	28	126	9792
1872	1547	1163	368	16	396	16	1289	958	62	313	76	84	120	7.75	133	42	160	97	135	259		3.15	4.35	30	120	11878
1873	1550	1075	411	64	441	64	1195	880	57	321	66	86	186	12	156	44	187	129	156	291		3.28	6.09	35	126	13517
1874	1639	1125	394	120	429	120	1251	946	57 1/2	396	81	102	127	7.69	146	41	183	111	149	234		2.73	5.64	28	120	15612
1875	1841	1445	308	88	336	88	1565	1032	56	380	78	120	189	10.27	176	31	199	132	166	285		2.82	5.18	26	164	16993
1876	1906	1532	282	92	308	92	1696	1019	53 1/2	502	91	144	150	7.86	182	36	210	163	185	245		3.22	5.73	19	171	17292
1877	1657	1270	339	48	358	42	1441	930	56	409	92	130	130	7.68	178	33	194	135	164	147		2.84	5.54	11	145	18004
1878	1794	1433	323	38	334	38	1578	956	50	505	59	138	134	7.46	170	34	187	132	165	200		2.80	5.27	17	141	18744
1879	1813	1436	335	42	352	42	1577	1040	57	422	84	125	143	7.94	165	30	188	131	163	222		2.84	5.16	17	140	18960
1880	2123	1724	354	45	371	45	1864	1186	54	545	74	150	151	7.16	165	35	188	156	170	351		2.58	4.53	17	157	20566
1881	2106	1678	402	26	419	26	1835	1324	62	429	70	103	189	8.96	168	39	195	139	166	391		2.79	4.41	15	140	18443
1882	2147	1736	399	12	414	12	1876	1312	61	463	59	13	177	8.13	167	35	195	143	168	348		2.84	4.41	24	141	16304
1883	2020	1492	449	79	473	79	1633	1286	63	378	61	108	181	8.93	168	49	189	143	168	432		2.75	4.80	32	128	7102*
1884	2096	1667	382	47	448	47	1815	1318	62	367	68	137	191	9.11	159	40	186	129	165	397		3	4.14	19	148	14824

MASSACHUSETTS GENERAL HOSPITAL.

The Massachusetts General Hospital is a private, not a public institution.

Applications for admission of patients must be made at the Hospital on Blossom Street, Boston, on week-days, between the hours of 9 and 11 A.M. and 2 and 3 P.M.

Recent accidents admitted at all hours.

Out-patients received between 9 and 10 A.M., week-days only.

Applications from a distance must be made in writing, accompanied by a full description of the case by the attending physician, and, when a Free Bed is desired, by a statement of the pecuniary condition of the patient, and wait for a reply before sending the patient.

Contagious and chronic diseases are not admitted.

Regular charges to paying patients are as follows: in the Jackson Ward (private), $50 per week; in small room in the Townsend and Bigelow Wards, $25 per week; in the General Wards, $10 per week. These rates, covering only expenses of board and lodging, may be increased or abated in individual cases by the Resident Physician.

JOHN W. PRATT,
Acting Resident Physician.

April 5, 1887.

THE AMBULANCE

OF THE

MASSACHUSETTS GENERAL HOSPITAL,

Accompanied by a medical officer, will be despatched to any point within the city proper for the conveyance of cases of *accident* or *urgent sudden sickness, not contagious*, to this Hospital, or elsewhere, upon notice from a physician, the police, or other responsible source, subject to the approval of the undersigned.

In cases requiring gratuitous treatment, no charge will be made.

By order of the Board of Trustees.

JOHN W. PRATT,
Acting Resident Physician,
Mass. Gen. Hospital, Blossom St.

SIXTY-NINTH ANNUAL REPORT

OF THE

SUPERINTENDENT OF THE McLEAN ASYLUM FOR THE INSANE,

TO THE

TRUSTEES OF THE MASS. GENERAL HOSPITAL,

For the Year 1886.

TO THE TRUSTEES OF THE MASSACHUSETTS GENERAL HOSPITAL:

Gentlemen, — The following report, with tabular statements relating to the number and condition of the patients treated in the Asylum during the year 1886, is respectfully presented: —

TABLE No. 1.

GENERAL STATISTICS OF THE YEAR.

	Males.	Females.	Total.
Patients in the Asylum, Jan. 1, 1886,	77	93	170
Admissions within the year,	49	44	93
Whole number of *cases* within the year,	126	137	263
Discharged within the year,	52	44	96
Namely,— as Recovered,	20	16	36
Much improved,	10	9	19
Improved,	5	8	13
Unimproved,	6	8	14
Deaths,	11	3	14
Patients remaining Dec. 31, 1886, supported as private patients,	74	93	167
Number of different *persons* within the year,	123	134	257
" " " " admitted,	46	43	89
" " " " recovered,	19	16	35
Daily average number of patients,	75.32	93.93	169.25

During the year, three men were twice admitted,— one case of dipsomania, one of acute mania, and one of general paralysis. One woman, a case of chronic melancholia, was twice admitted. Two women, present at the beginning of the year, were discharged and readmitted. Thus there were two hundred and sixty-three cases treated, representing two hundred and fifty-seven persons.

Of the eighty-nine persons admitted during the year, fifty-seven were regarded as recent cases, and thirty-two as chronic, or incurable.

Fifty-nine persons, twenty-eight men and thirty-one women, had never been in any hospital. Of the remaining thirty persons, thirteen, nine men and four women, were admitted for the second time; eight persons, four men and four women, for the third time; two women for the fourth time; five persons, four men and one woman, for the fifth time; one woman for the eighteenth time; and one man for the twenty-second time.

Thirty-one cases — representing twenty-nine persons, eleven men and eighteen women — were admitted as voluntary patients upon their own written applications. Of these, eighteen were cases of melancholia, eight of mania, two of mysophobia, one of hebephrenia, one of dipsomania, and one of general paralysis. Of these twenty-nine persons, five were committed after entering the Asylum as voluntary cases; and two were twice admitted as voluntary cases. The thirty-one voluntary cases admitted during the year furnished eight recoveries; and twenty-two such cases remaining from previous years furnished three other recoveries during this year, making a total of eleven recoveries out of fifty-three cases,— the total number of this class under treatment during the year. Thus, the voluntary class has yielded a

percentage of 30.56 on the admissions of 1886. Of this class admitted during the year, six other cases were discharged improved or much improved, and one not improved. Of these thirty-one cases admitted in 1886 there were remaining, at the end of the year, twelve persons, three men and nine women; and thirteen persons, six men and seven women, also remained from the admissions of previous years, so that the total remaining under the voluntary relation is twenty-five persons, nine men and sixteen women.

The number of persons admitted as voluntary patients under the present law is as follows: namely, 1881, 1; 1882, 11; 1883, 33; 1884, 49; 1885, 34; 1886, 29,— a total of 157 persons in six years.

The whole number of persons admitted during the past six years is as follows: namely, 1880, 51; 1881, 63; 1882, 82; 1883, 107; 1884, 109; 1885, 95; 1886, 93.

In 1886 there were two less admissions, four less discharges, and seven less cases under treatment than during the year 1885; and the number present was three less at the end than at the beginning of the year.

Of the ninety-two persons discharged, including deaths, twelve were transferred to other hospitals,— four men and five women to those in this State, and one woman to the State of Rhode Island, one woman to Maine, and one man to Indiana.

Of the thirty-five persons discharged recovered, twenty-three had never before been inmates of any hospital; and, of the remaining twelve persons, eight had been in this Asylum. These eight persons had previously made thirty-five recoveries.

The average duration of illness from the beginning of attack in all cases recovered was 7.06 months, and the average duration of their residence in the Asylum was 5.26 months.

During the past seven years, the first admissions were as follows: 1880, 30; 1881, 46; 1882, 62; 1883, 75; 1884, 75; 1885, 67; 1886, 59. The recoveries were: 1880, 12; 1881, 14; 1882, 26; 1883, 37; 1884, 34; 1885, 37; 1886, 36.

The percentage of recoveries on all admissions, for the year 1886, was 38.7. There was one less recovery than in the previous year. There were fourteen deaths, three less than last year.

The work of the year, as to the numbers admitted, discharged, and recovered, and the daily average under treatment, differed by only one or two persons from that of last year. With one less recovery, the percentage of recoveries on admissions was increased .2. The number of voluntary cases admitted was one-third of all the admissions. The percentage of recoveries furnished by this class of patients was 8 less than its due proportion, showing that no advantage in this regard is derived from this class.

The average number of patients under treatment for six years, and the average cost per week for each patient, are shown by the following figures: —

	1881.	1882.	1883.	1884.	1885.	1886.
Daily average number of patients, . . .	149	155	164	166	171	169
Average cost per week,	$16.92	$17.02	$16.16	$16.00	$15.72	$15.94

This includes all extraordinary expenditures for repairs and alterations and improvements.

There is so little difference in the general results of the last two years that further comment is hardly necessary, beyond noting the fact that the Asylum is doing about the maximum amount of work, with its wards fully occupied. Its general condition and the hope, as well as need, of having new buildings at Belmont in the near future, are, in many ways, limitations to progress here.

The chief event of unusual interest during the year was the graduation of a large class from the Training School for Nurses. Its establishment has been so long an accomplished fact and its good results are so evident as to prove it to be founded upon a sound basis. Its first class of sixteen nurses graduated during the year,—six of them on the 1st of March, and the others from time to time, as their terms expired. Two of the first six had been in the service nearly eight years, and three others entered it before the founding of the School in 1882. Only such nurses were employed after 1884 as were willing to be trained; and the present senior class numbers eight, and the junior class fourteen.

It is expected that during the first years of the School most of the graduates will wish to leave the Asylum to try private nursing. There is already ample proof that they will do this successfully. There is reason to believe that the demand for such service will continue indefinitely. It is hoped that it will; for it is desirable to establish a system of clearance of the product of the School, to make room for new pupils and keep up the work. The larger gain, than is even now experienced, in permanency and quality of the service in the Asylum will be attained later. It is confidently expected that a good corps of trained and experienced nurses will, in due time, be formed of those who prefer to remain in Asylum work, and that it will eventually be possible to maintain such a corps by the annual selection of graduates. This is the history of the general hospital schools after a few years, and there are like indications here. The multiplication of such schools would have, in time, much larger results than the primary one of improving the service of the asylums. Not only would it make the home treatment of the

insane more practicable, but it would tend to the diffusion among the public of a better understanding of insanity, and of its causes, means of prevention, and early recognition. That it would take a long time to gain an appreciable result of this kind is no reason for not beginning the work, with such an end in view.

At the end of the year, nine of the graduates remained in the service. Of the others, some were already engaged in private nursing, and two had entered the Boston Training School at the Massachusetts General Hospital. An arrangement had been made early in the year by which the graduates of either School are allowed to enter the other for one year of advanced training. Thus, in three years, a nurse may gain certificates of graduation from both Schools.

The system of training men, for a long time in operation in practical ways, has been extended. Classes have been formed, lectures are regularly given, alternating with recitations from text-books. Applicants are now entering upon a two years' course of systematic study. A further statement of the general plan of the School, the requirements of applicants, etc., is given in the appendix. The rates of compensation are also stated: they are graded according to the length of service. Those of the women have been reduced from the former rates, while they are pupils, and increased for the graduates who remain: thus there is no increase in the aggregate cost of the service. The rates for the men remain unchanged.

The advantage is daily felt of having a sense of security in the permanent establishment of the School and its most satisfactory work. This is due to the fact of its having a carefully prepared foundation,

providing at the first teachers for the special duties of giving class instruction and training in the details of ward work, leaving to the medical officers the easier and more congenial work of lecturing. The importance and even necessity of a good foundation, of which much was said in my report last year, justifies its being emphasized here.

Inquiries have been made regarding the organization of the nursing service, that suggest the propriety of an explanation of some of its arrangements. The proportion of nurses is necessarily quite large in an institution of this kind, in which the patients are of the private class. The majority are supposed to be supported by their friends, although about two-thirds are cared for at less than the average cost; and little distinction can be made in the wards, on this account. The common feeling is that no one should be required to do any work for the benefit of the institution. This is not the place to discuss the question of the value of occupation for the insane, or the propriety of not compelling them to engage in the few available occupations, for which they are incapacitated by illness or to which they are unaccustomed. The facts being as they are, it puts upon the nurses all the ward work, much of which is advantageously done by patients in the State hospitals. The service here, though liberal before, has been increased within a few years for two reasons: for giving additional care to patients at night, and for allowing the more constant companionship of nurses with patients by day. The first change was made by directly increasing the night attendance, which now requires fifteen nurses,—seven men and eight women, —including the two night supervisors. This facilitates classification more readily upon the basis of agreeableness of association, and not of need of

watching, so there are suicidal cases in nearly all the wards. It also permits the leaving open of the doors of rooms by night, and the giving of constant personal care to unhappy and unfortunate people whose only comfort it can be, and who have nothing more within the reach of their desires or their hopes. The gain in regard to companionship was made by the employment of ward-maids,—seven in all,—who have the care of dining-rooms, halls, stairways, etc. This leaves the nurses free for more legitimate duty, although they do all the housework of the rooms occupied by patients,—parlors, etc.,—besides the extra personal attentions required under the circumstances. This explains the need and usefulness of under-help, and its place in connection with the training-school system. In any case, there would need to be two grades of nurses,—the trained, who have charge of wards, and the assistants, who are pupils, and must be in much the larger proportion, in order that there may be enough of those who will remain in the service to keep the upper places filled. In the State hospitals, the nurses have the help of patients, and here of ward-maids; so that there is not so much advantage here as might seem, in time for study and the other requirements of the School.

The new arrangements for the more comfortable accommodation of nurses have been completed by making over the large dormitory under the dome of the female wing into rooms, with adjoining bath-room. Fourteen nurses are thus provided for; and with the Hurd Building, containing nurses' rooms and dining-room, now occupied for the first year, the condition of the Asylum in this regard is very satisfactory.

The seaside cottage at Lynn again gave good results from its use during the four months of warm weather. Ten ladies spent an aggregate of ninety-

three and three-sevenths weeks there, while occasional visits were made by others during the season.

Clinical lectures to medical students were given during the months at the beginning of the year. The pathological report, by Dr. Gannett, will be found in the appendix containing the results of the continuation of the work in that department.

Special thanks are due to Miss Bemis, of Medford, for organizing a series of entertainments last winter, which gave much pleasure to our patients; and a continued interest in their welfare has been shown by the friends of the Asylum, who have the gratitude of all who are engaged in its care of the sick and suffering.

Very respectfully,

EDWARD COWLES, M.D.,

Superintendent.

TABLE No. 2.

MONTHLY ADMISSIONS, DISCHARGES, AND AVERAGES.

Months.	Admissions.			Discharges (including Deaths).			Daily Average of Patients in the House.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
January, . .	5	3	8	1	4	5	76.48	94.49	170.97
February, .	1	1	2	3	. .	3	80.03	93.97	174.00
March, . .	4	3	7	3	1	4	76.42	91.19	167.61
April, . . .	9	5	14	4	2	6	77.50	95.00	172.50
May, . . .	5	4	9	3	3	6	79.55	95.35	174.90
June, . . .	5	5	10	4	3	7	77.63	96.57	174.20
July, . . .	3	4	7	8	4	12	73.87	95.97	169.84
August, . .	2	6	8	4	7	11	76.84	93.67	170.51
September, .	4	1	5	7	4	11	71.47	95.46	166.93
October, . .	4	5	9	1	3	4	71.35	90.74	162.09
November, .	3	5	8	7	5	12	71.43	93.43	164.86
December, .	4	2	6	7	8	15	71.26	91.35	162.61
Total *cases*, .	49	44	93	52	44	96	75.32	93.93	169.25
Total *persons*,	46	43	89	50	42	92	. .	. .	. .

TABLE No. 3.

RECEIVED ON FIRST AND SUBSEQUENT ADMISSIONS.

Number of the Admission.	Cases admitted.			Times previously recovered.		
	Males.	Females.	Total.	Males.	Females.	Total.
First, ...	28	31	59	. .	7	7
Second, ...	10	4	14	3	1	4
Third, ...	4	4	8	6	4	10
Fourth, ...	1	2	3	3	3	6
Fifth, ...	4	1	5	4	. .	4
Seventeenth, . . .	. .	1	1	. .	2	2
Eighteenth, . . .	. .	1	1	. .	2	2
Twenty-first, . . .	1	. .	1	20	. .	20
Twenty-second, . .	1	. .	1	21	. .	21
Total of *cases*, . .	49	44	93	57	19	76
Total of *persons*, .	46	43	89	. .	. .	. .

These 76 recoveries represent 20 persons, 9 having recovered one, 8 two, 2 three, 1 four, 1 twenty-one, and 1 twenty-two times. The seventeenth and eighteenth admissions represent one person, as also do the twenty-first and twenty-second.

TABLE No. 4.

AGES OF PERSONS ADMITTED FOR THE FIRST TIME.

Ages.	At first attack of Insanity.			When admitted.		
	Males.	Females.	Total.	Males.	Females.	Total.
From 15 to 20 yrs.,	3	3	6	3	2	5
" 20 " 25 "	2	1	3	1	1	2
" 25 " 30 "	. .	8	8	. .	4	4
" 30 " 35 "	6	6	12	5	7	12
" 35 " 40 "	5	5	10	7	8	15
" 40 " 50 "	3	3	6	3	4	7
" 50 " 60 "	4	5	9	3	4	7
" 60 " 70 "	3	. .	3	3	1	4
" 70 " 80 "	1	. .	1	2	. .	2
" 80 " 90 "	1	. .	1	1	. .	1
Total of *persons*,	28	31	59	28	31	59

TABLE No. 5.

PARENTAGE OF PERSONS ADMITTED.

Places of Nativity.	Males.		Females.		Total.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine,	2	2	3	4	5	6
New Hampshire	6	5	3	5	9	10
Vermont,	. .	. .	5	5	5	5
Massachusetts.	27	27	25	21	52	48
Rhode Island,	1	1	1	1	2	2
Connecticut,	1	1	1	. .	2	1
New York,	1	2	. .	2	1	4
New Jersey,	1	1	. .	. .	1	1
Pennsylvania.	1	1	2	2	3	3
Maryland,	. .	. .	. .	1	. .	1
England,	3	2	. .	. .	3	2
Canada,	1	1	. .	. .	1	1
Ireland,	2	2	. .	. .	2	2
New Brunswick.	. .	. .	1	1	1	1
Nova Scotia,	1	1	1	1	2	2
P. E. Island.	. .	1	. .	. .	. .	1
Scotland,	1	1	. .	. .	1	1
Norway,	1	1	. .	. .	1	1
Germany,	. .	. .	2	1	2	1
Total of *persons*,	49	49	44	44	93	93

TABLE No. 6.

RESIDENCE OF PERSONS ADMITTED.

Places.	Males.	Females.	Total.
Massachusetts: —			
Suffolk County,	14	8	22
Middlesex County,	23	16	39
Essex County,	4	4	8
Norfolk County,	1	2	3
Plymouth County,	..	1	1
Bristol County,	..	2	2
Barnstable County,	1	..	1
Worcester County,	1	..	1
Maine,	..	2	2
New Hampshire,	..	1	1
Vermont,	..	1	1
Rhode Island,	1	1	2
Connecticut,	1	..	1
Pennsylvania,	..	1	1
Georgia,	1	..	1
Ohio,	..	1	1
Illinois,	..	2	2
Nebraska,	1	..	1
California,	1	..	1
Canada,	..	1	1
New Brunswick,	..	1	1
Total of *cases*,	49	44	93
Total of *persons*,	46	43	89

TABLE No. 7.

CIVIL CONDITIONS OF PERSONS ADMITTED.

Number of the Admission.	Unmarried.			Married.			Widowed.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First,	11	11	22	16	20	36	1	..	1
Second,	2	..	2	6	3	9	2	1	3
Third,	3	1	4	1	1	2	..	2	2
Fourth,	1	2	3	..	..	..	..	..	..
Fifth,	..	..	..	4	1	5	..	..	..
Seventeenth,	..	..	..	..	..	..	..	1	1
Eighteenth,	..	..	..	..	..	..	..	1	1
Twenty-first,	1	..	1	..	..	..	..	..	..
Twenty-second,	1	..	1	..	..	..	..	..	..
Total *cases*,	19	14	33	27	25	52	3	5	8
Total *persons*,	17	14	31	26	25	51	3	4	7

TABLE No. 8.

OCCUPATIONS OF PERSONS ADMITTED.

Occupations.	Males.	Females.	Total.
Housewife,	..	24	24
Clerk,	5	1	6
Manufacturer,	2	..	2
Merchant,	9	..	9
Farmer,	1	..	1
Student,	3	1	4
Teacher,	..	6	6
Lawyer,	2	..	2
Clergyman,	1	..	1
Civil Engineer,	1	..	1
Commercial Traveller,	3	..	3
Naval Officer,	1	..	1
Contractor,	1	..	1
Expressman,	1	..	1
Carpenter,	2	..	2
Seaman,	1	..	1
Printer,	1	..	1
Saloon-keeper,	1	..	1
Dressmaker,	..	1	1
Servant,	..	1	1
No occupation,	11	9	20
Total of *persons*,	46	43	89

TABLE No. 9.

REPORTED DURATION OF INSANITY BEFORE LAST ADMISSION.

Previous Duration.	First Admission to any Hospital.			All other Admissions.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	..	..	..	..	..	..	..	..	..
Under 1 mo.,	10	10	20	11	4	15	21	14	35
Fr. 1 to 3 mo.,	5	8	13	4	2	6	9	10	19
" 3 " 6 "	2	3	5	..	..	..	2	3	5
" 6 " 12 "	3	1	4	..	1	1	3	2	5
" 1 " 2 yrs.,	1	2	3	1	2	3	2	4	6
" 2 " 5 "	5	7	12	1	3	4	6	10	16
" 5 " 10 "	1	..	1	4	1	5	5	1	6
"10 " 20 "	1	..	1	..	..	..	1	..	1
Total *cases*,	28	31	59	21	13	34	49	44	93
Total *persons*,	..	..	..	18	12	30	46	43	89
Average of known persons (in years),	1.18	.80	.99	.96	1.58	1.27			

TABLE No. 10.

FORM OF DISEASE IN THE CASES ADMITTED.

Form of Disease.	Males.	Females.	Total.
Mania, acute,	17	13	30
Mania, chronic,	1	4	5
Mania, hysterical,	. .	1	1
Hebephrenia,	3	1	4
Mysophobia,	. .	2	2
Dipsomania,	2	. .	2
Alcoholism,	2	. .	2
Melancholia, acute,	11	16	27
Melancholia, chronic,	. .	6	6
Dementia, chronic,	. .	1	1
Dementia, senile,	3	. .	3
General Paralysis,	8	. .	8
Circular Insanity,	1	. .	1
Cerebral Syphilis,	1	. .	1
Total of *cases*,	49	44	93
Total of *persons*,	46	43	89

TABLE No. 11.

ALLEGED CAUSES OF INSANITY IN PERSONS ADMITTED.

Causes.	Males.	Females.	Total.
Mental.			
Grief,	2	5	7
Anxiety,	6	7	13
Physical.			
Ill-health,	3	3	6
Injury to the head,	1	. .	1
Overwork,	4	7	11
Constitutional,	6	1	7
Change of life,	. .	3	3
Childbirth,	. .	3	3
Miscarriage,	. .	1	1
Intemperance,	5	1	6
Syphilis,	1	. .	1
Sunstroke,	2	. .	2
Old age,	2	. .	2
Masturbation,	1	. .	1
Epilepsy,	1	. .	1
Acute disease,	1	1	2
Unknown,	14	12	26
Total of *cases*,	49	44	93
Total of *persons*,	46	43	89

TABLE No. 12.

RELATION TO HOSPITALS OF THE PERSONS ADMITTED.

	Males.	Females.	Total.
Never before in any Hospital,	28	31	59
Former inmates of this Hospital,	13	7	20
Former inmates of other Hospitals in this State: —			
South Boston,	1	. .	1
Danvers,	. .	1	1
Private Asylum,	. .	2	2
Former inmates of Hospitals in other States,	4	1	5
Former inmates of this Hospital and of other Hospitals in this State: —			
Danvers,	2	. .	2
Private Asylum,	. .	1	1
Former inmates of this Hospital and of Hospitals in other States,	1	1	2
Total of *cases*,	49	44	93
Total of *persons*,	46	43	89

TABLE No. 13.

DISCHARGES CLASSIFIED BY ADMISSION AND RESULT.

Admission.	Recovered.			Much Improved.			Improved.			Unimproved.			Died.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First,	11	12	23	5	6	11	3	3	6	4	6	10	8	1	9	31	28	59
Second,	4	2	6	5	1	6	1	1	2	..	1	1	1	2	3	11	7	18
Third,	2	2	4	..	..	..	..	2	2	..	..	..	2	..	2	4	4	8
Fourth,	..	..	..	..	1	1	..	..	..	..	1	1	..	..	..	..	2	2
Fifth,	1	..	1	..	1	1	1	..	1	2	..	2	..	..	..	4	1	5
Seventeenth,	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	1	1
Eighteenth,	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	1	1
Twenty-first,	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Twenty-second,	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Total of *cases*,	20	16	36	10	9	19	5	8	13	6	8	14	11	3	14	52	44	96
Total of *persons*,	19	16	35	10	9	19	5	7	12	6	8	14	11	3	14	50	42	92

TABLE No. 14.

CASES DISCHARGED RECOVERED.—DURATION.

Period.	Duration before Admission.			Hospital Residence.			Whole duration from the Attack.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 mo.,	14	11	25	3	. .	3	1	. .	1
Fr. 1 to 3 mo.,	4	1	5	8	7	15	7	6	13
" 3 " 6 "	1	2	3	5	2	7	8	3	11
" 6 " 12 "	. .	2	2	4	3	7	3	3	6
" 1 " 2 yrs.	. .	. .	. .	. .	2	2	. .	2	2
" 2 " 5 "	1	. .	1	. .	2	2	1	2	3
Total *cases*,	20	16	36	20	16	36	20	16	36
Total *persons*,	19	16	35	19	16	35	19	16	35
Average of known cases (in months),	1.97	1.58	1.85	3.12	7.94	5.26	5.10	9.51	7.06

TABLE No. 15.

CASES RESULTING IN DEATH.—DURATION.

Period.	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 mo., . .	2	1	3	3	. .	3	1	. .	1
From 1 to 3 mo.,	1	. .	1	1	. .	1	1	. .	1
" 3 " 6 "	. .	. .	. .	1	. .	1	. .	. .	. .
" 6 " 12 "	3	1	4	1	. .	1	1	. .	1
" 1 " 2 yrs.,	2	. .	2	1	1	2	1	1	2
" 2 " 5 "	1	1	2	2	1	3	4	1	5
" 5 " 10 "	2	. .	2	1	. .	1	2	. .	2
" 25 " 30 "	. .	. .	. .	. .	1	1	. .	. .	. .
" 30 " 35 "	. .	. .	. .	1	. .	1	. .	1	1
" 35 " 40 "	. .	. .	. .	. .	. .	. .	1	. .	1
Total, ...	11	3	14	11	3	14	11	3	14
Average of known cases (in months),	18.43	14.16	17.52	53.44	138.	71.56	71.88	152.16	89.08

TABLE No. 16.

CASES DISCHARGED BY RECOVERY OR DEATH.

Form of Insanity.	Recoveries.			Deaths.		
	Males.	Females.	Total.	Males.	Females.	Total.
Mania, acute, . . .	9	5	14	2	. .	2
Mania, chronic, . . .	. .	. .	. .	. .	2	2
Mania, hysterical, . .	. .	1	1	. .	. .	. .
Hebephrenia, ...	2	1	3	. .	. .	. .
Melancholia, acute, .	6	9	15	. .	. .	. .
Melancholia, chronic, .	. .	. .	. .	2	. .	2
Dementia, senile, . .	. .	. .	. .	2	1	3
Dementia, chronic, . .	. .	. .	. .	1	. .	1
General Paralysis, . .	. .	. .	. .	3	. .	3
Alcoholism, ...	3	. .	3	. .	. .	. .
Cerebral Syphilis, . .	. .	. .	. .	1	. .	1
Total of *cases*, . . .	20	16	36	11	3	14
Total of *persons*, . .	19	16	35	11	3	14

TABLE No. 17.

CAUSES OF DEATH.

Causes.	Males.	Females.	Total.
Cerebral Disease.			
General Paralysis, ...	2	. .	2
Exhaustion from Mania, ...	1	1	2
Exhaustion from Melancholia, ...	1	. .	1
Exhaustion from Senile Dementia, ...	2	. .	2
Syphilis, ...	1	. .	1
Other Causes.			
Pneumonia, ...	1	. .	1
Perityphlitis, ...	1	. .	1
Chronic Interstitial Nephritis, ...	1	. .	1
Phthisis Pulmonalis, ...	. .	1	1
Suicide, ...	1	1	2
Totals, ...	11	3	14

TABLE No. 18.

RECOVERIES, CLASSIFIED BY RESULTS OF PREVIOUS ADMISSIONS.*

Number of the Admission.	Recovered.			Much Improved.			Not Improved.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Second, ...	3	1	4	. .	. .	. .	1	1	2	4	2	6
Third, ...	2	2	4	. .	. .	. .	. .	. .	. .	2	2	4
Fifth, ...	1	. .	1	. .	. .	. .	. .	. .	. .	1	. .	1
Twenty-first, . . .	1	. .	1	. .	. .	. .	. .	. .	. .	1	. .	1
Twenty-second, . .	1	. .	1	. .	. .	. .	. .	. .	. .	1	. .	1
Total of *cases*, . .	8	3	11	. .	. .	. .	1	1	2	9	4	13
Total of *persons*, .	7	3	10	. .	. .	. .	1	1	2	8	4	12

* This classification is based upon the result of the admission next preceding the last, in each case respectively.

TABLE No. 19.

DEATHS, CLASSIFIED BY DURATION OF INSANITY AND OF TREATMENT.

Period.	Duration of Insanity.			Whole known period of Hospital Residence.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital, . . .	. .	. .	. .	. .	. .	. .
Under 1 month, . .	1	. .	1	2	. .	2
From 1 to 3 months,	1	. .	1	. .	. .	. .
" 3 " 6 "	. .	. .	. .	2	. .	2
" 6 " 12 "	2	. .	2	2	. .	2
" 1 " 2 years,	. .	. .	. .	1	. .	1
" 2 " 5 "	4	1	5	2	1	3
" 5 " 10 "	2	1	3	1	1	2
" 30 " 40 "	1	1	2	1	1	2
Total, ...	11	3	14	11	3	14
Average of known *cases* (in months),	72.62	164.33	92.28	54.44	151.16	75.17

TABLE No. 20.

AGES OF THOSE WHO DIED.

Ages.	At time of the first Attack.			At time of Death.		
	Males.	Females.	Total.	Males.	Females.	Total.
From 15 to 20 years,	1	1	2	. .	. .	. .
" 20 " 25 "	1	1	2	. .	. .	. .
" 25 " 30 "	. .	. .	. .	. .	1	1
" 30 " 35 "	3	. .	3	1	. .	1
" 35 " 40 "	3	. .	3	6	1	7
" 50 " 60 "	. .	1	1	. .	. .	. .
" 60 " 70 "	1	. .	1	2	. .	2
" 70 " 80 "	2	. .	2	1	. .	1
" 80 " 90 "	. .	. .	. .	1	1	2
Total, ...	11	3	14	11	3	14

TABLE No. 21.

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS AT THE McLEAN ASYLUM.

FROM ITS OPENING, OCT. 6, 1818, TO DEC. 31, 1886, INCLUSIVE.

Years.	Admitted.	Discharged.	Whole No. under care.	Died.	Much improved, etc.	Recovered.	Remaining at end of year.	Average No. of Patients.
1818-25	398	344	623	29	205	110	279	..
1826	47	46	101	5	21	20	55	..
1827	58	56	113	5	17	34	57	..
1828	77	65	134	5	37	23	69	..
1829	73	77	142	9	42	26	65	..
1830	82	78	147	10	34	34	69	..
1831	83	84	152	8	46	30	68	..
1832	94	98	162	10	45	43	64	..
1833	103	100	167	8	50	42	67	..
1834	108	95	174	7	47	41	80	..
1835	83	84	163	11	28	45	77	..
1836	106	112	183	10	38	64	71	..
1837	120	105	191	8	25	72	86	80
1838	138	131	224	12	45	74	93	95
1839	132	117	225	10	38	69	108	112
1840	155	138	263	13	50	75	125	128
1841	157	141	283	11	55	75	142	135
1842	129	138	271	15	43	80	133	143
1843	126	126	260	18	45	63	134	131
1844	158	140	292	20	52	68	152	146
1845	119	120	271	13	33	74	151	149
1846	148	126	299	9	52	65	173	164
1847	170	170	343	33	50	87	173	172
1848	143	155	316	23	50	82	155	171
1849	160	137	321	15	58	64	184	177
1850	173	157	357	28	51	78	200	201
1851	164	173	364	29	69	75	191	195
1852	145	135	336	15	48	72	201	200
1853	114	120	315	17	45	58	195	194
1854	120	120	315	16	45	59	195	195
1855	123	126	318	24	46	56	192	192
1856	149	145	341	19	58	68	196	195
1857	141	159	337	28	60	71	178	191
1858	155	147	333	25	50	72	186	187
1859	131	142	317	28	53	61	175	185
1860	121	109	296	24	46	39	187	185
1861	111	110	298	23	33	54	188	193
1862	82	94	270	18	37	39	176	190
1863	94	69	270	13	20	36	201	191
1864	101	107	302	27	38	42	195	200
1865	82	85	277	17	33	35	192	186
1866	103	98	295	29	23	46	197	197
1867	89	108	286	27	36	45	178	186
1868	92	94	270	23	37	34	176	166
1869	108	100	284	18	31	51	184	187
1870	79	85	263	12	40	33	178	187
1871	75	81	253	13	47	21	172	178
1872	93	101	265	23	63	15	164	173
1873	92	95	256	13	63	19	161	165
1874	75	88	236	10	58	20	148	159
1875	85	83	233	16	51	16	150	156
1876	92	74	242	20	36	18	168	160
1877	110	103	278	20	68	15	175	175
1878	63	84	238	12	66	6	154	168
1879	76	79	230	12	48	19	151	157
1880	51	48	202	6	30	12	154	152
1881	66	65	220	14	37	14	155	150
1882	82	70	237	8	36	26	167	156
1883	109	111	276	17	57	37	165	164
1884	113	103	278	17	52	34	175	166
1885	95	100	270	17	46	37	170	171
1886	92	96	263	14	46	36	167	169
	7,014	6,847		1,009	2,909	2,929		

TABLE No. 22.

TABLE OF APPLICATIONS, ADMISSIONS, ETC., FOR TWENTY-TWO YEARS,—1864-1886.

Years.	Applications.		Admissions.		American.		Foreign.		Not Admitted.	Discharged, cured, relieved, or improved.	Percentage of same on Admissions.		Died.		Accidents.	Whole number under care in the year.		Number of free patients.	Paying all the time.	Paying part of the time.	Greatest total number at any time.		Least total at any time.		Average.		Greatest number at any one time of Free or Paying at Hospital.		Average time in weeks Paying and Free at Hospital.		Out-patients.
	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.		Hospital.	Asylum.	Hospital.	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.	Free.	Paying.	Paying.	Free.	Hospital.	
1864	1932	1599	101	654	99	945	2	333	1306	80	8.168	79.1	130	27	242	1749	302	1388	350	11	157	208	110	192	138	200	139	33	3.2	4.4	5619
1865	1430	1199	82	571	80	628	2	231	997	68	8.315	82.9	104	17	140	1347	277	687	592	68	164	195	88	181	113	186	137	72	3.7	4.8	5356
1866	1328	1120	103	542	100	587	3	208	909	69	81.17	66.9	96	29	132	1224	295	556	623	45	109	203	78	192	95	197	62	58	3.4	5.1	5608
1867	1419	1206	89	558	88	618	1	213	958	81	79.43	91	94	27	113	1301	286	676	601	24	126	200	72	172	104	186	77	62	3.4	4.3	4553
1868	1474	1265	92	604	92	661	0	209	1015	71	80.03	77.1	85	23	98	1373	218	840	502	31	132	181	69	160	102	166	97	56	3.0	3.5	5264
1869	1633	1390	108	681	108	709	0	243	1123	82	80.03	75.9	107	18	93	1217	284	930	563	24	139	196	90	177	118	187	98	55	3.4	4.3	6953
1870	1706	1392	79	584	76	718	3	404	1083	73	83.20	92.4	85	12	140	1427	342	958	439	30	137	195	98	181	120	187	106	45	3.4	4.8	8767
1871	1781	1427	75	649	75	778	0	354	1143	52	80.09	69.3	109	13	178	1537	253	1056	456	25	154	187	91	167	122	178	126	43	3.1	3.9	9792
1872	1815	1547	93	665	88	882	5	268	1271	52	82.15	55.9	120	23	259	1701	265	1289	396	16	160	179	97	163	135	173	133	42	3 1	4.3	11878
1873	1958	1550	92	640	85	910	7	408	1201	64	77.48	69.5	186	13	291	1700	256	1195	441	64	187	171	129	158	156	165	156	44	3 3	6.0	13517
1874	2153	1639	75	713	68	926	7	514	1342	54	81.88	72	127	10	234	1800	236	1251	394	120	183	167	111	144	149	159	146	41	2.7	5.6	15612
1875	2357	1841	85	799	72	1022	13	516	1412	57	76.70	67	189	16	285	1989	233	1565	336	88	199	165	132	145	166	156	176	31	2.8	5.2	16993
1876	2560	1906	92	900	82	1006	10	654	1621	45	85.04	48.9	150	20	245	2096	242	1696	308	92	210	173	163	148	185	160	182	36	3.2	5.7	17292
1877	2131	1657	110	863	103	794	7	474	1739	57	80 80	51.8	130	20	147	1847	278	1270	339	48	194	184	135	168	164	175	178	33	2.8	5.5	18004
1878	2275	1794	63	946	58	848	5	481	1461	45	81.43	71.4	134	12	200	1950	238	1578	334	38	187	182	132	154	165	168	170	34	2.8	5.2	18744
1879	2310	1813	76	979	63	834	13	497	1462	46	80.63	60.5	143	12	222	1971	230	1577	352	42	188	164	131	150	163	157	165	30	2.8	5.1	18960
1880	2701	2123	51	1117	46	1006	5	578	1731	32	81.53	62.7	151	6	351	2284	202	1864	371	45	188	159	156	146	170	152	165	35	2.5	4.5	20566
1881	2786	2106	66	1074	57	1032	9	680	1853	37	82.19	56	189	14	391	2270	220	1835	419	26	195	161	139	147	166	150	168	39	2.79	4.41	18443
1882	2587	2147	82	1127	73	1020	9	440	1775	47	87.83	57.3	177	8	348	2302	237	1876	399	12	195	166	143	149	168	156	167	35	2.84	4.41	16304
1883	2460	2020	109	1035	93	985	16	440	1664	63	82.33	5..8	181	17	432	2185	276	1633	473	79	189	171	143	151	168	164	168		2.75	4.80	*7102
1884	2494	2096	113	1043	95	1053	18	398	1685	57	80.39	59.4	191	17	397	2310	278	1815	448	47	186	175	129	154	165	166	159	40	3	4.14	14824
1885	2636	2327	95	1178	84	1149	11	299	1945	62	85.38	65.3	192	17	443	2472	270	2044	382	46	184	185	147	159	167	171	166	26	2 38	4.08	17016
886	2686	2580	93	1313	85	1267	8	106	2100	68	81.39	73.1	192	14	471	2756	263	2283	409	64	206	191	133	167	173	169	178	30	2.78	3.72	

*Out-patient Department open only five months.

TABLE No. 23.

TABLE SHOWING THE COST OF PRINCIPAL STORES AT McLEAN ASYLUM.

Articles.	1883.			1884.			1885.			1886.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, ... lbs.,	67,534	$8,604.15	.1274	69,313	$9,573.72	.1381	71,169	$9,350.98	.1313	72,269	$9,377.03	.1298
Mutton and Lamb, "	23,280	2,406.70	.1033	22,221	2,154.00	.0969	26,865	2,288.99	.0852	27,142	2,614.26	.0962
Veal, ... "	10,401	1,173.42	.1128	11,916	1,319.68	.1107	11,747	1,218.43	.1037	14,977	1,590.73	.1062
Poultry, ... "	11,324	2,422.44	.213	12,806	2,753.43	.215	14,300	2,716.52	.189	15,453	2,674.98	.172
Ham, etc., . . . "	7,970	1,043.39	.13	11,220	1,480.33	.131	13,105	1,358.58	.103	13,292	1,460.57	.109
Eggs, ... doz.,	10,758	3,009.04	.279	10,579	2,590.78	.244	11,046	2,402.08	.216	11,193	2,339.44	.209
Lard, ... lbs.,	1,680	186.75	.111	2 045	201.10	.098	1,724	144.26	.083	1,471	114.26	.077
Flour, ... bbls.,	507	3,690.67	7.279	541	3,531.57	6.527	528	2,901.42	5.49	512	2,728.73	5.32
Butter, ... lbs.,	21,612	5,939.32	.274	20,991	5,497.28	.261	22,738	5,014.07	.220	20,931	4,65 .73	.222
Coffee, ... "	3,530	862.57	.244	2,904	720.65	.248	3,162	714.18	.234	3,336	691.16	.207
Tea, ... "	1,406	460.54	.327	1,215	403.02	.331	1,286	433.42	.337	1,188	389.00	.327
Sugar, ... "	27,672	2,421.10	.874	28,351	1,951.19	.068	29,404	1,891.91	.064	28,996	1,824.45	.063
Lights, Gas, etc., feet.		3,379.25			3,461.92			2,978.91			2,693.02	
Coal, ... tons,	$1,022\frac{1050}{2000}$	6,303.39	6.164	$1,434\frac{1393}{2000}$	7,786.65	5.427	$1,190\frac{530}{2000}$	6,297.49	5.29	$1,328\frac{1555}{2000}$	7,087.31	5.34
Wood, ... cords,	$8\frac{1}{2}$	55.25	6.50				$10\frac{1}{2}$	70.88	6.75	20	140.00	7.00
Ice, ... tons,	$481\frac{100}{2000}$	841.79	1.75	$486\frac{1800}{2000}$	930.62	1.911	$426\frac{500}{2000}$	955.49	2.241	$473\frac{600}{2000}$	1,088.56	2.30

Massachusetts General Hospital.

McLean Asylum Training School for Nurses.

The Trustees of the Massachusetts General Hospital having established, at the McLean Asylum for the Insane, a school for nurses, offer to give to men and women desirous of becoming professional nurses a two years' course of training in general nursing, with special reference to the care of cases of nervous and mental disease.

Those wishing to receive such a course of instruction must apply to the Superintendent of the McLean Asylum, Somerville, Mass.

The most desirable age for candidates is from twenty-one to thirty-five years. They must be in sound health, and must send with their application a certificate from a physician certifying to the fact; also, one from some responsible person as to their good character and good health. Upon the recommendation of the Superintendent of the Hospital and the approval of the Trustees, they will be received for two months on probation.

The Superintendent of Nurses has charge of the Training School, under the authority of the Superintendent of the Asylum and of the Board of Trustees; and the nurses are subject to the rules of the Asylum. Their fitness for the work and the propriety of retaining or dismissing them at the end of the two months of trial are determined by the authorities in charge of the School, under the direction of the Trustees; and the same authorities can in

like manner discharge them at any time in case of misconduct or inefficiency. They reside in the Asylum, and serve as assistant nurses in its wards.

All nurses are required to be sober, honest, truthful, trustworthy, punctual, quiet, orderly, cleanly, neat, patient, kind, and cheerful.

The instruction includes the general care of the sick; the managing of helpless patients in bed, in moving, changing bed and body linen, making of beds, etc.; giving baths, keeping patients warm or cool, preventing and dressing bed sores; bandaging, applying of fomentations, poultices, and minor dressings; the preparing and serving of food, the feeding of helpless patients and those who refuse food; the administering of enemas and use of the catheter; attendance upon patients requiring diversion and companionship; the observation of mental symptoms, delusions, hallucinations, delirium, stupor, etc., and the care of excited, violent, and suicidal patients.

They are also given instruction in the best practical methods of supplying fresh air, warming and ventilating sick-rooms in a proper manner, and are taught to take proper care of rooms and wards, in keeping all utensils perfectly clean and disinfected, etc.; to observe the sick accurately in regard to the state of the secretions, pulse, breathing, skin, temperature, sleep, appetite, effect of diet, of stimulants, and medicine; and the managing of convalescents.

The instruction is given mainly by the Superintendent of the Training School, and by the Supervisors and Head Nurses. Lectures and demonstrations will be given, at stated periods, by the Asylum Medical Staff. Examinations, chiefly upon practical points, take place from time to time.

The pupils are employed as assistant nurses in the wards of the Asylum. Women will be paid twelve

dollars ($12) per month during the first year, and fifteen dollars ($15) per month during the second year, for their clothing and personal expenses. Men will be paid twenty-three dollars ($23) per month during the first year, and twenty-five dollars ($25) per month during the second year. Their education during this time is considered as compensation for their services. Women graduates will be paid twenty-five dollars ($25) per month; men graduates, twenty-seven dollars ($27) and thirty dollars ($30) per month, according to length of service.

The women are required to wear at all times, while on duty in the wards, the asylum uniform dress. The men are to do this also, whenever it may be required.

When the full term of two years is completed, the nurses thus trained receive (after final examinations) diplomas certifying to their period of training, their proficiency and good character.

The right is reserved to terminate the connection of any nurse or pupil with the School, for any reason which may be deemed sufficient.

A graduate of this School, who wishes to have additional practical experience and instruction in general nursing, has the privilege, under certain restrictions, of entering the Boston Training School for Nurses at the Massachusetts General Hospital. Such graduates will, after one year's satisfactory study, receive the diploma from that School, in addition to the diploma received from the McLean Asylum Training School.

N.B.— This paper to be filled in (in the Candidate's own handwriting), and sent to the Superintendent of McLean Asylum, Somerville, Mass.

QUESTIONS TO BE ANSWERED BY CANDIDATE.

1. Christian name in full of Candidate.
2. Are you single, widow, or widower?
3. Your present occupation or employment?
4. Age last birthday, and date and place of birth?
5. Height? Weight?
6. In what school or schools educated? and in what place?
7. Are you strong and healthy? and have you always been so?
8. Are your sight and hearing perfect?
9. Have you any physical defects?
10. Have you any tendency to pulmonary complaint?
11. If a widow or widower, have you children? How many? Their ages? How are they provided for?
12. Are you otherwise free from domestic responsibility, so that you are not liable to be called away?
13. Where (if any) was your last situation, and how long were you in it?
14. Have you ever been in any Training School or employed in any hospital or asylum? If so, where and how long in each place?
15. The names in full and addresses of two persons not of your own kindred, to be referred to. State how long each has known you. If previously employed, one of these must be the last employer.

 Name, ...
 Address, ...
 has known me years.

 Name, ...
 Address, ...
 has known me years.

Having read, and clearly understanding and agreeing to the foregoing conditions and regulations, I declare the above statement to be correct.

Signed, ...
Candidate.

Present Address, ...

Date, ... 188

PATHOLOGICAL REPORT.

EXAMINATIONS BY W. W. GANNETT, M.D., PATHOLOGIST.

Case I.— General Paralysis. Four years duration. Melancholic symptoms; hallucinations of hearing. Death after convulsions of fifteen minutes duration. Female, aged forty-three.

Diagnosis: Hyperostosis of skull; chronic diffuse thickening of the dura of the brain and cord; chronic leptomeningitis of the brain and cord; œdema of pia; atrophy of the brain; dilatation of the ventricles; chronic ependymitis; yellow softening of the corpus striatum of the right side, of portions of the right nucleus lentiformis, optic thalamus, right second parietal convolution; chronic parenchymatous myocarditis.

Autopsy thirty-six hours after death. Body of medium size, fairly developed, much emaciated. Rigor mortis present. Ratio of head to body, and cranium to face apparently normal; nothing unusual observed about the pericranium or external surface of the calvaria; antero-posterior diameter, 17 cm.; transverse, 13 cm. Calvaria in the thickest portion in median line, 12 mm.; in its thinnest portion, temporal region, 9 mm.; diploë replaced by compact bone substance; inner surface of bone not remarkable; grooves of middle meningeal artery everywhere of usual depth; calvaria readily separated from dura. Dura somewhat thickened, and opaque throughout; sinuses contained partly coagulated blood; inner surface smooth and shining. Meshes of the pia contained considerable clear fluid; upper layer elevated 2 mm. from brain; moderate degree of milky opacity of pia throughout, most marked along the course of the vessels. Brain did not fill the cavity of the skull; weight, 961 grms. Vessels of the base and in the fissure of Sylvius very small, and showed here and there cir-

cumscribed thickening and opaque patches in the intima, somewhat diminishing the lumen. Each lateral ventricle dilated to about twice the usual size, and each contained about 30 cc. of clear fluid; ependyma slightly granular and warty; ependyma of the fourth ventricle showed similar appearances. A part of the floor of the right lateral ventricle, formed by the corpus striatum of that side, was flattened, sunken, and of a yellow color.

Brain substance, in general, quite firm and somewhat tough; cortex diminished from one-third to one-half in thickness, and the yellow line of the third layer for the most part distinct; white matter pale, with few or no puncta cruenta, and of the usual degree of moisture. The basal ganglia of the left side showed, on section, nothing remarkable beyond pallor. On the right side, the whole of the corpus striatum and the whole of the anterior half of the nucleus lenticularis and the middle of the posterior half were converted into a soft yellow, semi-fluid substance. The anterior quarter of the thalamus on this side in the central part was of a yellowish color and of slightly diminished density. The second parietal convolution of the right side of the brain was yellow and softened, the softened area occupying a space of about 2.5 mm. in diameter. Section of the pons, medulla, and cerebellum showed nothing worthy of note. Dura of the cord was thickened and opaque, and the pia showed a milky opacity throughout. The cord itself showed nothing remarkable. Other organs were sufficiently normal.

Microscopic examination after hardening. Pia showed rather more round cells than usual, but there was no increase in the dense connective-tissue fibres. Here and there in the meshes of pia were granules of hæmatoidin. The arteries showed nothing abnormal. The vessels were moderately injected. Cortex: the distinction between the outer and inner portions of the first layer of the cortex was very marked; the outer layer being finely granular; staining deeply, with a few nuclei, but nowhere showing a finely fibrous meshwork, or spider-cells. The inner portion showed about the usual number of nuclei. Second layer of cortex not remarkable. Third layer: ganglion cells well marked. Fourth and fifth layers not remarkable. Vessels

of cortex: here and there a very slight degree of round-cell infiltration of the adventitial lymph-sheath was observed. In several places, granular hæmatoidin was present in the perivascular lymph-spaces. White matter showed nothing unusual. Cord: examined in all regions, showed nothing abnormal.

Case II.— Hystero-epilepsy. Duration, about four years. Syncope, death. Female, aged thirty-eight.

Diagnosis: Circumscribed thickening of dura; moderate œdema of pia; slight atrophy of brain; mitral endocarditis; injection of kidneys, liver, and, to a slight degree, the lower lobe of lungs; dermoid cyst of ovary; laceration of cervix and erosion of os; superficial fatty degeneration of intima of aorta.

Autopsy fifty-four hours after death. Body small, fairly developed and nourished. Lividity of dependent portions marked. Ratio of head to body, and cranium to face normal. Nothing unusual observed about the pericranium or external surface of the dura; antero-posterior diameter, 17.9 cm.; transverse, 14 cm. Calvaria normal thickness; normal relation of tables to diploë; under surface showed a few depressions along the median line. Dura somewhat more adherent and thickened along the median line; inner surface everywhere smooth and shining; superior longitudinal and lateral sinuses contained a small amount of fluid blood. Meshes of pia over convexities contained a small amount of clear fluid. Convolutions on either side posterior to fissure of Rolando diminished in size; sulci widened. Brain nearly filled the cavity of the skull; weight, 1,290 grms. Vessels of the base and fissure of Sylvius showed everywhere thin and delicate walls; lumina free, containing a small amount of fluid. On section, the cortex of the brain was, for the most part, of usual thickness, somewhat paler than usual; the layer of large pyramidal ganglionic cells distinct, for the most part; surface of white matter slightly moist; puncta cruenta well marked. Section of basal ganglia, pons, medulla, and cerebellum showed in gross no appearances worthy of note. Pia was everywhere readily separable from the brain substance. Membranes of the cord and the cord itself showed nothing remarkable.

The left ovary was replaced by a globular mass, the size of the fist, of smooth external surface, of a peculiar doughy consistency, pitting on pressure. On section, tumor found to consist of a single sac; wall about 2 mm. in thickness, containing a mass of hair and fat intimately mingled together. The other organs were as stated in the diagnosis.

Microscopic examination after hardening. The cortex showed absolutely nothing abnormal. In the perivascular spaces of several of the arteries in the white matter, below the cortex, were collections of hæmatoidin in granular form (indicating earlier extravasation of blood). Numerous sections from various parts of the cord failed to show any abnormality.

Case III.— Hystero-epilepsy. Duration, with increasing severity, from puberty. Ovariotomy; death in fourteen hours. Female, aged thirty.

Autopsy thirty-seven hours after death. Body medium size, well developed and nourished; abundant adipose tissue. Rigor mortis present. An incision in median line above pubes, about 10 cm. in length, united by sutures. Nothing unusual observed about cranium or external surface of calvaria; antero-posterior diameter, 18 cm.; transverse, 12.8 cm.; calvaria 13 mm. in thickness at frontal prominence, 3 mm. in temporal region; ratio of diploë to tables normal; calvaria readily separable from dura. Dura everywhere thin and translucent; vessels contained an excess of dark, fluid blood; sinuses distended with dark, fluid blood; inner surface everywhere smooth and shining. Pia everywhere thin and delicate; vessels contained considerable blood; its meshes, a small amount of clear fluid. Convolutions large, well marked; sulci small. Brain filled the cavity of the skull; weight, 1,488 grms. Vessels of base and fissure of Sylvius everywhere thin and delicate. Each lateral ventricle contained about 10 cc. of clear fluid; ependyma everywhere smooth and shining; velum interpositum and choroid plexus of dark purplish color; third and fourth ventricle not remarkable beyond a similar injection of veins in the floor of the fourth ventricle. Brain substance, in general, rather soft; gray cortex of usual width, somewhat darker in color; white substance showed puncta cruenta throughout in-

creased in size. Section of basal ganglia, pons, medulla, and cerebellum showed a dark purplish appearance. Pia everywhere separable from brain substance. Membranes of cord and the cord itself showed nothing worthy of note.

Ovaries and Fallopian tubes on both sides were absent. Their place was occupied by a ligatured, cauterized stump. The blood vessels of the remaining organs were generally injected, otherwise not remarkable.

Microscopic examination of brain, fresh. Cortex [in various regions]: pigmentation of the ganglion cells to a moderate degree; here and there, dilatation of the adventitial lymph-sheath, with collections of fat-drops; the vessels throughout the cortex markedly injected. Basal ganglia showed pigmentation of the ganglion cells, with well-marked injection of the vessels. Cerebellum showed injection of the vessels, but otherwise nothing unusual was observed. Pons, medulla, and cord were not examined fresh, but were put whole into Müller's fluid, with portions of brain and cerebellum, for further examination.

After hardening. Nothing abnormal was detected in the cortex or in the white matter of the brain. Examination of various regions of the cord also failed to show any abnormality.

The ovaries — removed by operation — measured 38 x 25 x 19 mm., 38 x 26 x 15 mm., after hardening in Müller's fluid and alcohol. Sections were made through the long diameter of number one: there were four cysts of Graafian vesicles, the size of peas; also a corpus hæmorrhagicum the size of a pea, which, judging from the results of the microscopic examination, must have been from six to ten weeks old; there were also numerous corpora fibrosa. The connective-tissue stroma was infiltrated with round cells, more abundantly in some parts, less so in other parts, but nowhere in excess of what is ordinarily seen in the ovary during its period of activity; *i.e.*, from the age of fifteen to forty-five. The examiner is unable to find in the ovary a sufficient material basis for explaining the symptoms for the relief of which the operation was undertaken.

Case IV.— Cerebral Hæmorrhage [successive attacks]. Duration, fifteen months. Right hemiplegia, amnesic aphasia, delusions. Female, aged forty-two.

Diagnosis: Subcutaneous hæmorrhages; slight degree of leptomeningitis; chronic endarteritis of basal vessels; cysts of choroid plexuses; areas of cerebral softening, recent and old; hypertrophy of the left ventricle of the heart; emphysema of the lungs, recent hæmorrhages into the same; chronic fibrous perispleenitis; chronic interstitial nephritis; fibro-myomata of uterus; chronic adhesive peritonitis; pigmentation of mucous membrane of the colon; pigmentation of the liver; chronic endaortitis.

Autopsy twenty-two hours after death. Body small, poorly nourished and much emaciated. Rigor mortis present. Over the right shoulder and right groin below Poupart's ligament were patches about 6 cm. in diameter, part of a purplish, part of a greenish, color. On the inner side of the thigh were numerous circumscribed purplish patches, on an average of 2 cm. in diameter. On the removal of the scalp, an ecchymosis about 3 cm. in diameter was found in the pericranium over the occipital bone in the median line; antero-posterior diameter of skull, 18.3 cm.; transverse, 14 cm.; ratio of diploë to tables as usual. The inner surface showed depressions in the median line corresponding to the abundant development of Pacchionian granulations. Dura was readily separated from the bone; everywhere translucent; the sinuses were filled with partly coagulated blood; the inner surface everywhere smooth and shining. The brain nearly filled the cavity of the skull; weight, 1,441.5 grms. The pia showed a milky opacity, to a slight degree, over the convexities; the meshes contained a small amount of clear fluid. The right vertebral artery, about half the size of the left, showed in its intima circumscribed patches, considerably diminishing the lumen. The other vessels of the base and in the fissure of Sylvius showed similar patches, obstructing, but nowhere obliterating, the lumina. The lateral ventricles contained each about 10 cc. of clear fluid; the ependyma was everywhere smooth and shining; the floor of the ventricle over the posterior part of the left thalamus was depressed, of a yellowish tint, and fluctuated; the choroid plexuses con-

tained numerous cysts filled with clear fluid; the fourth ventricle showed nothing remarkable.

The brain substance, in general, quite firm; on section, the cortex was of the usual thickness, quite pale; the white matter pale also; puncta cruenta few and small; in many portions, the white matter lying in the convolutions showed a cribriform appearance; in the left superior parietal convolution, over an area of nearly 1 cm., the brain substance was dark red in color, and softened. Section of basal ganglia showed the following appearances: in the outer segment of the left nucleus lentiformis posteriorly was a soft, dark red mass, about the size of a filbert-meat imbedded in its substance, forming a cavity; in the posterior portion of the left thalamus was a flattened cavity measuring laterally 30 mm., antero-posteriorly 8 mm., vertically 5 mm.; its walls were tolerably smooth, of a firm consistency, colored a deep snuff yellow; the cavity contained a thin liquid; on the right, in about the middle of the basal ganglia [antero-posterior], was a dark red mass about 4 x 6 mm., occupying the inner capsule and a small portion of the upper part of the outer segment of the nucleus lentiformis. Section of the pons, medulla, and cerebellum showed nothing worthy of special note. The pia was everywhere readily separable from the brain substance. Neither the membranes of the cord nor the cord itself showed anything remarkable.

The lower lobes of the lungs were darker in color and denser than normal; on section, several dark red nodules of the size of English walnuts, of a rather firmer consistency than the surrounding substance, were to be seen in the lower lobe of the right lung. The spleen was adherent to the surrounding organs by old and firm adhesions. There was chronic interstitial nephritis of both kidneys. The bladder and uterus were firmly united in front by old and firm adhesions.

Microscopic examination after hardening. The outer portion of the first layer of the cortex showed a well-marked, finely fibrous meshwork, with spider-cells; the other layers of the cortex were not remarkable, beyond the fact that the perivascular lymph-spaces were large; in the adventitial lymph-sheaths of many of the vessels of cortex and white matter were collections of granular hæmatoidin. [Meningo-

encephalitis.] An examination of sections from various parts of the cord failed to show anything abnormal.

Case V.— General Paralysis. Duration, about one and a half years. Death from broncho-pneumonia. Male, aged thirty-eight.

Diagnosis: Slight degree of thickening and œdema of pia; adhesions of pia to brain in situations indicated below; chronic circumscribed pericarditis; pigmentation of muscular substance of heart; chronic adhesive pleurisy; chronic vesicular emphysema; acute broncho-pneumonia; acute purulent bronchitis; dilatation of pelvis of kidney.

Autopsy nineteen hours after death. Body of medium size, well developed, considerably emaciated. Rigor mortis present. Ratio of head to body and cranium to face apparently normal; nothing remarkable observed about the pericranium or external surface of calvaria; antero-posterior diameter, 17.4 cm.; transverse, 14.3 cm.; sutures open; calvaria measured, on an average, 4 mm. in thickness; usual ratio of diploë to tables; calvaria readily separated from dura. Dura everywhere translucent, its inner surface smooth and shining; sinuses contained a moderate amount of fluid blood. Vessels of pia moderately distended; membrane itself thickened and opaque in patches here and there along the course of vessels; this, however, was not extensive; meshes of pia contained a moderate amount of clear fluid, most marked in the posterior dependent portions. Convolutions somewhat diminished in size; sulci wider than usual. These changes also were slight. Brain almost filled the cavity of the skull; weight, 1,426 grms. The vessels at base and in fissure of Sylvius everywhere thin-walled and lumina free. Pia thin and delicate. Lateral ventricles contained each about 5 cc. of clear fluid; ependyma of lateral ventricles smooth and shining; ependyma of fourth ventricle roughened, granular and warty to a moderate extent. Striæ acusticæ very distinct. Brain substance, in general, quite firm. Cortex in the neighborhood of fissure of Rolando on the right side about one-fourth thinner than usual, also somewhat paler; gray cortex in remaining portions of usual thickness and of good color; white matter in general, slightly moist and of good consistency; puncta

cruenta somewhat smaller and less numerous than usual. Corpora striata on either side, on section, showed small red streaks corresponding to the vessels; color in general being of a rather darker shade than commonly found. The remaining basal ganglia, pons, medulla, and cerebellum showed, on section, nothing worthy of note. Pia readily separable from brain substance, except over the convolutions just anterior and posterior to fissure of Rolando. Membranes of cord were not remarkable. Cord itself slightly diminished in diameter throughout, and quite tough on section. Nothing abnormal was discovered by gross examination.

Other organs sufficiently normal, except as mentioned in the diagnosis.

Microscopic examination after hardening. Pia showed a slight increase both in the number of round cells and of the dense connective-tissue fibres. Cortex: the outer portion of the first layer showed a distinct, finely fibrous meshwork, with a few spider-cells. The other layers showed nothing remarkable, so far as nerve elements and neuroglia are concerned. The vessels of the cortex everywhere showed marked round-cell infiltration of the adventitial sheaths, with granular hæmatoidin in the adventitial lymph-spaces; vessels of white matter showed a lesser degree of round-cell infiltration, but considerable pigment in the sheaths. In the posterior columns throughout the cord, the connective-tissue stroma (neuroglia) was considerably increased in amount, with a proportionate diminution in the number of nerve fibres. These changes were more marked in the columns of Burdach (funiculus cuneatus) than in the columns of Goll (funiculus gracilis), and were further advanced in the peripheral portions (*i.e.*, near pia) than in central portions. The dorsal region showed the most advanced changes, the cervical next, the lumbar least. The cord in the affected part showed a thick connective-tissue stroma, taking the stain (carmine and hæmatoxylon) deeply, with a marked diminution in the number of nerve fibres. [Posterior sclerosis.]

Case VI.—General Paralysis. Two and a half years' duration. History of syphilis. Death from acute purulent peritonitis. Male, aged thirty-seven.

Diagnosis: Pachymeningitis interna chronica hæmorrhagica, with rupture into space between dura and pia; chronic leptomeningitis; meningo-encephalitis; acute purulent peritonitis; necrosis (slough) of vermiform appendix.

Autopsy thirty-one hours after death. Body medium size, well developed, well nourished. Marked lividity of dependent portions. Rigor mortis present. Calvaria measured antero-posteriorly 18 cm.; in transverse diameter, 14.7 cm.; of usual thickness. Dura of convexities translucent, inner surface smooth and shining; inner surface of dura of base, especially in temporal fossæ, covered by a dark red, hæmorrhagic, rather firmly attached false membrane; here and there were portions which showed more of an iron-rust color. Pia of convexities showed milky opacity, most marked along the course of the fissures and vessels. The convolutions of good shape. Meshes of pia contained no fluid. The brain weighed 1,500 grms., and filled the cavity of the skull. Pia of base showed slight degree of opacity. Vessels of base and of fissure of Sylvius everywhere thin-walled and delicate. Ventricles of usual size; lateral ventricles of distinctly granular, warty appearance. Brain substance, in general, of good color and consistency. Cortex of usual thickness; puncta cruenta of white matter well marked. Section of basal ganglia, pons, and medulla showed no appearances worthy of special note. Pia more intimately adherent to brain substance throughout the brain,—most marked about the fissure of Rolando and posterior portions of brain. Cord showed in gross nothing abnormal. Heart and lungs showed no appearances worthy of special note.

Peritoneal cavity contained, by estimate, about a litre of thin, foul-smelling pus. The coils of intestine adherent to one another by recent fibrinous false membranes; the ileum was nearly collapsed; the jejunum distended with gas; the evidences of inflammatory process were most extensive in ileocæcal region. The vermiform appendix was converted into a gray, very soft, friable, necrosed mass, the thickness of the wall much reduced, and on one portion was an opening through which appeared an inspissated fæcal mass.

Microscopic examination after hardening. From convolutions along the fissure of Rolando. Pia thickened from increase in the amount of fibrous tissue and increase in

the number of round cells; hæmatoidin in the meshes of the pia. Cortex: slightly marked, finely fibrous meshwork, with an occasional spider-cell in the outer portion of the first layer; the other layers of the cortex showed nothing abnormal; there was round-cell infiltration of the adventitial sheath of the blood vessels of the cortex. Left temporal lobe: the first layer of the cortex normal; the vessels of the cortex showed round-cell infiltration of the adventitia. Second frontal convolution: pia thickened from presence of increased number of round cells and increase in connective-tissue fibres. Cortex: outer portion of first layer showed a well-marked, finely fibrous meshwork; other layers not remarkable; round-cell infiltration of adventitia of cortical vessels. Right supra-marginal convolution: the cortex of this convolution showed the same appearances as that last described. [Chronic meningo-encephalitis.] The cord showed no abnormal appearances.

Officers of the Institution.

1887.

President.

HENRY B. ROGERS.

Vice-President.

George Higginson.

Treasurer.

Franklin Haven, Jr., 28 State Street.

Secretary.

Thomas B. Hall, 75 State Street.

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* Charles V. Bemis, Medford, Mass.
E. Francis Bowditch, Framingham, Mass.
Edmund Dwight, 50 State Street.
William Endicott, Jr., 10 Mt. Vernon Street.
George S. Hale, 10 Tremont Street.
* David P. Kimball, 35 Congress Street.
Thornton K. Lothrop, 8 Congress Street.
* Thomas E. Proctor 106 High Street.
Nathaniel Thayer, 21 Sears Building.
* Samuel D. Warren, 67 Mt. Vernon Street.
Roger Wolcott, 3 Pemberton Square.

Board of Consultation.

Henry I. Bowditch, M.D.
Algernon Coolidge, M.D.
D. H. Storer, M.D.
Charles E. Ware, M.D.
Morrill Wyman, M.D.
George C. Shattuck, M.D.
Richard M. Hodges, M.D.

* Appointed by the Governor of the Commonwealth.

OFFICERS OF THE HOSPITAL.

Resident Physician.

JOHN W. PRATT, M.D.

Visiting Physicians.

FRANCIS MINOT, M.D.
SAMUEL L. ABBOT, M.D.
GEORGE G. TARBELL, M.D.
WM. L. RICHARDSON, M.D.
EDWARD N. WHITTIER, M.D.
FREDERICK C. SHATTUCK, M.D.

Visiting Surgeons.

CHARLES B. PORTER, M.D.
JOHN COLLINS WARREN, M.D.
HENRY H. A. BEACH, M.D.
JOHN HOMANS, M.D.
ARTHUR T. CABOT, M.D.
MAURICE H. RICHARDSON, M.D.

Physicians to Out-Patients.

ELBRIDGE G. CUTLER, M.D.
CHARLES P. STRONG, M.D.
GEORGE M. GARLAND, M.D.
WILLIAM W. GANNETT, M.D.
HERMAN F. VICKERY, M.D.
JAMES J. MINOT, M.D.

Surgeons to Out-Patients.

GEORGE W. WEST, M.D.
JOHN W. ELLIOT, M.D.
FRANK B. HARRINGTON, M.D.
SAMUEL J. MIXTER, M.D.

Physician to Out-Patients with Diseases of the Skin.

JAMES C. WHITE, M.D.

Physician to Out-Patients with Diseases of the Nervous System.

JAMES J. PUTNAM, M.D.

Physicians to Out-Patients with Diseases of the Throat.

FREDERICK I. KNIGHT, M.D.
S. W. LANGMAID, M.D.

Ophthalmic Surgeon to Out-Patients.

OLIVER F. WADSWORTH, M.D.

Dental Surgeon.

FREDERICK BRADLEY, D.M.D.

Microscopist and Curator of the Pathological Cabinet.

REGINALD H. FITZ, M.D.

Chemist.

EDWARD S. WOOD, M.D.

Artist.

HENRY P. QUINCY, M.D.

Medical House Pupils, 1886–87.

FRED C. WOODBURY. LEWIS T. STEVENS.

Surgical House Pupils, 1886–87.

BURNSIDE FOSTER. HENRY F. DURANT.
GEORGE FRANCIS. J. PAYSON CLARK.

Matron.

Miss G. L. STURTEVANT.

Superintendent of Nurses.

Miss ANNA C. MAXWELL.

Apothecary.

WILLIAM A. CAMERON.

OFFICERS OF THE McLEAN ASYLUM.

Superintendent.

EDWARD COWLES, M.D.

1st Assistant Physician.

GEORGE T. TUTTLE, M.D.

2d Assistant Physician.

JAMES W. BABCOCK, M.D.

Medical House Pupils.

E. M. GREENE. W. R. GILMAN.

Purveyor.

JOHN P. BRADBURY.

Superintendent of Nurses.

Miss L. E. WOODWARD.

Clerk.

Miss F. E. GILBERT.

Supervisors.

E. W. BOARDMAN. Miss M. E. GORDON.

Apothecary.

F. W. WILLIS.

VISITING COMMITTEE.

January and July.

Messrs. Bemis and Proctor.

February and August.

Messrs. Wolcott and Kimball.

March and September.

Messrs. Endicott and Lothrop.

April and October.

Messrs. Dwight and Bowditch.

May and November.

Messrs. Eliot and Thayer.

June and December.

Messrs. Hale and Warren.

LADIES' VISITING COMMITTEE.

January and February.

Miss E. Gray. Miss E. Goodwin.

March and April.

Miss Teresa Dodge. Miss Ida G. Beal.
Mrs. Robert Russell. Miss Pauline Revere.

May.

Mrs. John C. Gray. Mrs. Thomas E. Proctor.

June.

Mrs. John C. Gray. Mrs. S. Eliot.
Miss Elizabeth Lowell.

July, August, and September.

Miss Anna Rotch.

October.

Mrs. S. Eliot. Miss E. Lowell.

November and December.

Mrs. H. W. Haynes. Miss A. W. Morrill.

SEVENTY-FOURTH ANNUAL REPORT

OF THE

TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

AND

McLEAN ASYLUM

1887

Printed at the Expense of the Bowditch History Fund

BOSTON
GEO. H. ELLIS, PRINTER, 141 FRANKLIN STREET
1888

REPORT OF THE TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

For the Year 1887.

THE Committee of the Trustees appointed to prepare the annual report of the Board to the Corporation, to whom the accounts of the Treasurer and the reports of the other officials have been referred, respectfully submit the

SEVENTY-FOURTH ANNUAL REPORT.

The history of the Hospital and Asylum for the past year presents nothing novel or striking. The same fidelity, devotion to duty, and merciful efficiency of both officers and attendants have, as heretofore, promoted the general welfare, and alleviated the sufferings of many afflicted by bodily or mental disease.

The changes among those intrusted with the care of the institutions are few.

Dr. John W. Pratt, who, as Acting Resident Physician, had been in charge of the Hospital since the decease of Dr. Whittemore, was on February 11 made Resident Physician.

In the beginning of the year, Dr. Francis Minot, who, for the long period of twenty-eight years, had given of his time and professional skill to the Hospital, as Visiting Physician, resigned his office, the Trustees, accepting with great reluctance this resignation, on March 25.

Voted, That the resignation of Dr. Minot be accepted, and that the Secretary be directed to express to him, the Trustees' high appreciation of his long and valuable services, and to communicate their thanks therefor, and their regrets at his resignation.

Dr. Minot was then elected a member of the Board of Consultation; and, on April 15, Dr. Reginald H. Fitz was chosen Visiting Physician, to fill the vacancy occasioned by the resignation of Dr. Minot.

In March the office of Aural Surgeon was created; and Dr. J. Orne Green was chosen its first incumbent.

The Corporation has lost by death during the past year its honored President, the Hon. Henry B. Rogers, who, as Trustee, Chairman of the Board, and President of the Corporation, had for nearly half a century taken an active interest in the promotion of the charitable purposes of the Hospital, and exhibited a noteworthy instance of devoted official fidelity.

The following minute was adopted at a meeting of the Trustees held on April 15, 1887: —

The Trustees of the Massachusetts General Hospital, at their first meeting after the death of the late President of the Corporation, Henry Bromfield Rogers, desire to bear testimony to the very great importance of his services to the Hospital from the year 1839, in which he became a Trustee, to the time of his death. His labors, his gifts, and, above all, his character were of the highest value to the institution, and will preserve his memory as one of its chief benefactors. The Hospital and all connected with it have never had a truer friend.

On October 14, 1887, Mr. George S. Hale, who since the year 1870 had rendered faithful, efficient, and laborious service as Trustee, felt compelled, from circumstances connected with his other manifold duties, to send in his resignation. Mr. Hale's letter was accompanied by a gift from him of $1,000, "to form a fund to be called the 'Hibbard Occupation

Fund,' the interest of which shall be used in any manner best calculated, in the opinion of the Trustees, to employ the patients at the Asylum in some regular daily use of their time for longer or shorter periods, so far as their condition may permit." The Board accepted with deep regret the resignation of Mr. Hale at a meeting held on October 21, and gratefully acknowledged his gift. Mr. David R. Whitney, who had once held the office of Treasurer of the Corporation, was elected Trustee on November 21, in place of Mr. Hale.

On December 26, the use of a free bed at the Hospital was voted to the Massachusetts Hospital Life Insurance Company.

From the report by the Resident Physician of the internal administration of the Hospital, hereto appended, it will be seen that the whole number of patients received at the Hospital in the course of the year has been 2,814,—1,539 men, 1,083 women, and 192 children, of whom 36 were under two years of age. For the year 1886 it was 2,580,—1,442 men, 948 women, and 190 children, 21 of whom were under the age of two.

The average number of patients in the Hospital has been this year 185, of whom, on the average, 161 had free beds. Last year the average number of patients was 173, with an average of 152 free beds.

There were at one time during the year 217 patients inmates of the Hospital, the largest number since its foundation.

The Trustees take this opportunity to again remind the friends of the Hospital and the public as well that children, however young, are always welcomed as patients. Experience has proved that their presence in a ward is in many ways beneficial to adult patients in the same room with them, while at

the same time it is believed that the children attain better results by having some older patients among them.

The number of new patients treated in the Out-patient Department this year was 18,981, as against 17,925 in the year 1886.

The repairs in the west wing of the Hospital, which were carried out in the summer of 1887, were similar in character to those made in the east wing the preceding year. Two small wards and a passage-way were thrown into one ward, old bath-rooms and closets removed, and the premises thoroughly renovated. At the same time, changes were made in the corridors and attic to insure greater safety from fire, and additional water buckets and pumps have been provided. During the year, the Thayer Building has been enlarged by the addition of a fourth story at a cost in 1887 of $8,107.63.

The Trustees desire to correct the statement made in their last report of the cost of the second sanitary tower, which was there given as $17,342.41. It ought to have been stated at $13,361.48. The amount expended on both sanitary towers in 1886 was $17,342.41.

At the Convalescent Home there have been in the course of the year 327 patients.

The appointment of Dr. H. M. Locke, as an assistant physician for temporary service, is the only change made in the Medical Staff of the McLean Asylum since the last report.

As will be seen from the interesting and instructive report of the Superintendent herewith presented, the beneficial results anticipated from the introduction by him at the Asylum of a system of training nurses of both sexes for the insane has been fully realized.

The Trustees recognize that the necessity for the

removal of the Asylum from Somerville to Belmont increases with every successive year. They have hitherto been prevented from erecting new buildings at the latter place by the very large expenditure required and by the want of funds alone. So apparent to them are the unfitness and disadvantages of the present situation that they are contemplating the preparation of plans and the commencement of work in the near future, in anticipation of a sale of the grounds at Somerville, relying upon the assistance of the benevolent friends of the Asylum in case of pressing need.

The following bequests and donations have been received during the year: —

Parts of a bequest of Mrs. Ella F. Roehl, income for free beds,	$3,000.00
Gift of Waldo March, for photographic apparatus, ...	100.00
Gift of Miss Mary Russell, for Convalescent Home Fund, .	20.00
Bequest of John H. Eastburn, for support of "Printers' Bed,"	10,000.00
Bequest of Mrs. Susan F. Eastburn, income for free beds, .	1,000.00
Gift of Mrs. Emily W. Appleton, income for free beds, . .	1,000.00
Bequest of Henry B. Rogers, income for free beds, ...	10,000.00
Bequest of Wm. B. Craft, income for free beds, ...	5,000.00
Gift of Edward W. Hooper, for expenses of Hospital, . . .	1,500.00
Part of bequest of M. P. Sawyer, income for free beds, . . .	6,273.14
Total, ...	$37,893.14

Of this amount, $37,873 is for the benefit of the Hospital, and $20 for that of the Convalescent Home.

The Treasurer's accounts for 1887 and the assets of the Corporation, as reported by him, have been examined by the proper Committee, and pronounced correct.

From the report of the Treasurer, which is made a part of this report, it will be seen that the ordinary expenses of the Hospital, Asylum, and Convalescent Home, taken together, exceed the receipts and the income of the Corporation applicable to the payment thereof by the sum of $22,982.09. This amount, with

the sum of $8,107.63 expended for the enlargement of the Thayer Building, makes an aggregate of $31,-089.72. This sum, representing the excess of the ordinary and extraordinary expenses of the Hospital over its income, has been drawn from the general invested funds of the Hospital.

The ordinary expenses of the Hospital have, for the past year, exceeded its total income by the sum of $18,772.14. The excess of expenditures over income was, in 1883, $13,296.47; in 1884, $26,374.15; in 1885, $8,833.03; in 1886, 14,636.85; or a total of $81,912.64 in the last five years.

The successive annual statements of the Treasurer, showing this excess of expenses over receipts, demand earnest and serious attention. This excess in 1887, as in previous years, is attributable to the number of free beds; and, until such additions are made to our free bed subscriptions and to our Free Bed Funds as will prevent this ever-recurring deficit and the continued encroachment upon the principal of the General Funds of the Hospital, applicable to its yearly expenses, the Trustees deem it worthy of consideration whether more rigorous scrutiny must not be made into the ability to pay of patients who apply to be supported wholly free of charge, the number of whom has increased from 1,633 in the year 1883 to 2,523 in 1887.

The subscriptions to the Free Bed Fund in 1887 amounted to $11,356. The whole income from "Free Bed Funds," including these subscriptions, was $48,-989.33; while the cost to the Hospital in the maintenance of free beds for the same period was $105,-543.71. Calling attention to these figures and to what has been previously stated in this report of the absolute necessity of an increase in these yearly subscriptions, with the alternative of a reduction in the

number of free patients, the Trustees earnestly appeal to the friends of the Hospital to come to their assistance in this emergency, that the year 1888 may show the largest total subscriptions to the Free Bed Fund in the annals of the Hospital. The amounts required for subscription to free beds are, for one year, $100; for one life, with right upon nomination to extend it to two lives, $5,000; for railroad corporations, for use of one bed for twenty-five years, $10,000; for one year, $500,— all subject to the Rules of the Hospital.

DAVID P. KIMBALL,
DAVID R. WHITNEY, } *Committee.*

REPORT OF THE TREASURER

OF THE

MASSACHUSETTS GENERAL HOSPITAL.

TO THE BOARD OF TRUSTEES:

Gentlemen,— In accordance with the Fifth Article of the By-Laws, the report of the accounts of the Massachusetts General Hospital, made up to the last day of December, 1887, is respectfully submitted, to be laid before the Corporation at its annual meeting.

Dr. FRANKLIN HAVEN, JR., *Treasurer, in account with the* MASSACHUSETTS GENERAL HOSPITAL. *Cr.*

To Balance Cash on hand Dec. 31, 1886,	$8,704.74	By Cash paid Insurance,	$493.75
" Railroad Bonds paid,	21,600.00	" " " Annuitants,	5,052.29
" Union League Club Bonds paid,	4,000.00	" " " Annual Report, 1886,	305.91
" Donations and legacies,	37,893.14	" " " Taxes at Belmont,	445.13
" One-third profits Mass. Hospital Life Ins. Co.,	5,000.00	" " " Expenses of Hospital,	120,881.61
" Income from investments,	108,486 35	" " " Expenses of Asylum,	139,497.70
" Board of paying patients at Asylum,	124,447.77	" " " Expenses of Convalescent Home,	9,201.49
" Board of paying patients at Hospital,	15,869.34	" " " Investments, R.R. Bonds, $51,000.00 / " Amoskeag M'f'g Co. stock, 1,234.00	52,234.00
" Board of paying patients at Convalescent Home,	1,909.00		
" Notes Receivable,	126,000.00	" " " Library,	180.80
" Subscribers for Free Beds ($5,600 received for this purpose in 1886),	5,756.00	" " " Wooden legs,	450.00
		" " " Premiums,	3,334.53
" Subscribers for Free Beds for 1888 in advance,	5,556.00	" " " Photographic apparatus,	100.00
" Edward Cowles, Superintendent, balance in account,	2,498.85	" " " Advertising Warren Prize,	25.00
		" " " Floral Place Building,	46,794.41
		" " " Real Estate, Fruit Street and vicinity,	62,968.64
		" " " Thayer Building Improvements,	8,107.63
		" " " J. W. Pratt, Resident Physician, balance in account,	737.74
		" Balance Cash on hand Dec. 31, 1887,	16,910.56
	$467,721.19		$467,721.19

The expense of carrying on the business of the Corporation for the year 1887 has been $269,580.80, namely: —

On account of Hospital Department, . . .	$120,881.61	
" " " McLean Asylum, ...	139,497.70	
" " " Convalescent Home, ...	9,201.49	
		$269,580.80

This expense has been met from: —

Amount charged to patients, ...	$142,226.11	
Income from various funds applicable, . . .	93,016.60	
Subscriptions for Free Beds for 1887, . . .	11,356.00	
Deficit drawn from the General Fund, . . .	22,982.09	
		$269,580.80

The receipts at Convalescent Home have exceeded the expenses $809.39; the expenses at the McLean Asylum have exceeded the receipts $5,019.34; and the expenses at the Hospital have exceeded the receipts $18,772.14, making a net deficit of $22,982.09.

TABLE No. 1.

HOSPITAL DEPARTMENT.

Expenses and receipts for the year 1887: —

Expenses at the Hospital (see Table 4), . .	$120,881.61

Receipts.

Income from Redman Fund (see Table 7), .	$26,851.67
" " Free Bed Funds (see Table 7), .	37,633.63
" " Funds, income unrestricted (see Table 7), ...	2,360.00
" " General Fund (see Table 7), .	8,038.83
" " Free Bed Subscriptions (see Table 8), ...	11,356.00
Amount charged to patients, ...	15,869.34
Deficit from General Fund, ...	18,772.14
	$120,881.61

TABLE No. 2.

McLEAN ASYLUM.

Expenses and receipts for the year 1887: —

Expenses at the Asylum (see Table 5), . . .	$139,497.70
Receipts.	
Income from Fund for Beneficiaries, ...	$4,425.59
" " " " Female Beneficiaries, .	5,015.00
" " Amusement Fund, ...	590.00
Amount charged to patients, ...	124,447.77
Deficit from General Fund, ...	5,019.34
	$139,497.70

TABLE No. 3.

CONVALESCENT HOME.

Expenses and receipts for the year 1887: —

Expenses at Convalescent Home (see Table 6),	$9,201.49
Receipts.	
Income from Convalescent Home Fund, . .	$8,101.88
Amount charged to patients, ...	1,909.00
	$10,010.88
Balance of Receipts over Expenses credited to the General Fund, ...	$809.39

TABLE No. 4.

Expenses of the Hospital Department: —

For Stores, ...	$40,933.15
Gas and Oil, ...	3,250.06
Water and Ice, ...	2,515.50
Wages, ...	31,402.33
Medicine, ...	2,884.95
Furniture, ...	8,574.36
Surgical Instruments, ...	2,094.90
Surgical Appliances, ...	1,298.56
Stationery, ...	815.41
Wines and Liquors, ...	2,901.89
Salaries, ...	3,688.00
One-half General Expenses, ...	1,088.74
Fuel, ...	6,220.80
Contingencies, ...	2,176.93
Repairs, ...	11,036.03
	$120,881.61

These expenditures have been for account of: —

2,340 Free Patients for 8,372 weeks, ...	$105,543.71	
474 Paying Patients for 1,248 weeks, . . .	15,337.90	
		$120,881.61
The average number of patients was, in 1886,	173	
The average number of patients has been, in 1887, ...	185	
The average cost per week was, in 1886, 8,996 weeks, ...	$12.50	
The average cost per week has been, in 1887, 9,620 weeks, ...	12.56	
The total expenses were, in 1886, ...	112,477.29	
The total expenses have been, in 1887, . . .	120,881.61	
The amount paid for account of free patients,		$105,543.71
The amount received for them has been: —		
From Income of Free Bed Funds, . . .	$37,633.63	
From 89 Subscribers for this object (see Table 8), ...	11,356.00	
		$48,989.63

The deficiency has been drawn in part from the income of the various funds applicable to the purpose, and the remainder from the General Fund.

TABLE No. 5.

EXPENSES OF THE ASYLUM DEPARTMENT.

For Stores,	$42,349.50	
Laundry,	9,095.42	
Fuel,	7,365.45	
Stationery,	385.24	
Medicines and Liquors,	2,895.09	
Contingencies,	2,276.50	
Furniture,	6,233.49	
Repairs,	10,747.94	
Diversions,	1,445.78	
Belmont Improvements,	2,891.81	
Water and Ice,	2,540.66	
Lights,	2,957.27	
Wages,	30,225.99	
Salaries,	10,613.70	
One-half General Expenses, $1,088.73; carriages, $222,	1,310.73	
Library,	600.00	
Stables,	3,918.04	
Garden,	2,956.57	
		$140,809.18
Less Cr. Clothing, $95.02; Farm, $1,216.46,		1,311.48
		$139,497.70

These expenditures have been for account of: —

Patients paying cost and more,		$28,748.30
Patients paying less than cost,		110,749.40
		$139,497.70
The average number of patients in 1886,	169	
The average number of patients in 1887,	160	
The average cost per week in 1886,	$15.94	
The average cost per week in 1887,	16.35	
The total expenses in 1886,		$144,374.33
The total expenses in 1887,		139,497.70
The amount expended at the Asylum for patients who have paid less than cost has been,		$110,749.40
The amount received has been: —		
From patients, 6,569 weeks' board at less than cost,	$60,005.41	
Income of Funds for Beneficiaries,	4,425.59	
Income of Funds for Female Beneficiaries,	5,015.00	
Income of Amusement Fund,	590.00	
		70,036.00
		$40,713.40

The deficiency has been drawn in part from patients paying more than cost, and the remainder from the General Fund.

TABLE No. 6.

EXPENSES OF THE CONVALESCENT HOME.

For Stores,	$3,970.23
Gas and Oil,	48.04
Furniture,	358.19
Wages,	2,907.91
Fuel,	259.99
Ice,	108.89
Repairs,	341.37
Contingencies,	502.92
Labor and work on grounds,	523.95
Surgical Instruments,	74.75
Medicines,	78.00
Wines and Liquors,	22.25
Stationery,	5.00
	$9,201.49

Whole number of patients admitted during the year, males,	144	
Whole number of patients admitted during the year, females,	164	
		308
Whole number discharged during the year,		311
Remaining, Jan. 1, 1888, males,	8	
Remaining, Jan. 1, 1888, females,	8	
		16

TABLE No. 7.

INCOME FROM INVESTMENTS.

From Annuities Receivable,	$6,400.00
City and Town Bonds,	880.00
United States Bonds,	400.00
Mass. Hospital Life Ins. Co. Stock,	4,000.00
Railroad Bonds,	37,306.29
Manufacturing Stocks,	3,259.00
Bank Stocks,	4,074.22
Real Estate, Productive,	29,075.74
Notes Receivable,	20,286.16
Union League Club Bonds,	200.00
Interest,	322.70
Railroad Stocks,	1,940.00
Real Estate Investment, Fruit Street and vicinity,	342.24
	$108,486.35

Which has been distributed as follows: —

To G. H. Gay Fund,		$342.20
Redman Fund,		26,851.67
Warren Prize Fund,		212.22
Bowditch History Fund,		118.00
Wooden Leg Fund,		295.00
Redman Annuities,		936.00
Clara Barton Annuity,		191.22
Surgical Instrument Fund,		79.65
Amusement Fund,		590.00
Free Bed Funds, { for use,	$37,633.63	
Free Bed Funds, { for Joy Annuitants,	700.00	38,333.63
Beneficiaries at Asylum Funds,		4,425.59
Warren Library Fund,		59.00
One-half Lincoln Fund,— Female Beneficiaries,		5,015.00
Funds with Income Unrestricted,		2,360.00
General Fund,		8,038.83
Convalescent Home Fund,		8,101.88
Asylum Building Fund,		10,441.46
Whittemore Fund,		1,500.00
Urbino Fund,		300.00
Treadwell Library Fund,		295.00
		$108,486.35

The Income for 1885 was	$97,911.71
The Income for 1886 was	102,964.50
The Income for 1887 has been	108,486.35

TABLE No. 8.

SUBSCRIBERS FOR FREE BEDS FOR 1887.

William Amory,	$100	*Brought forward*,	$2,456
C. W. Amory,	100	Mrs. Arthur Croft,	100
Oliver Ames & Sons' Corporation,	100	Martin Brimmer,	100
		P. C. Brooks,	100
American Bell Telephone Co.,	56	Shepherd Brooks,	100
		Mrs. Laura M. Case,	100
D. H. Andrews,	100	T. Jefferson Coolidge,	100
Boston & Maine R.R. Co.,	500	T. J. Coolidge, Jr.,	100
Boston & Lowell R.R. Co.,	300	Mrs. J. G. Cushing,	100
Boston & Providence R.R. Co.,	100	Charles P. Curtis,	100
		Greely S. Curtis,	200
Boston & Albany R.R. Co.,	500	J. Randolph Coolidge,	100
Boston Gas Light Co.,	100	F. Gordon Dexter,	100
Sidney Bartlett,	100	George Dexter,	300
J. P. Bradlee,	100	Mrs. C. H. Dalton,	100
Mrs. E. B. Bowditch,	200	Stephen G. Deblois,	100
J. L. Bremer,	100	Samuel Eliot,	100
Carried forward,	$2,456	*Carried forward*,	$4,356

Brought forward, . . .	$4,356	*Brought forward*, . . .	$7,756
William Endicott, Jr., . .	100	Charles Merriam, . . .	100
Joseph S. Fay, Jr., . . .	100	Mrs. Caroline Merriam, .	100
John Foster, ...	100	C. J. Morrill, ...	100
Henry H. Fay, ...	100	Misses M. C. and H. K. Mixter, ...	100
Mrs. Sarah S. Fay, . . .	200	Old Colony R.R. Co., . .	500
Joseph S. Fay, ...	100	Pacific Mills Relief Society,	100
Fitchburg R.R. Co., . . .	200	F. H. Peabody, ...	100
George A. Gardner, . . .	100	W. D. Pickman, ...	100
John L. Gardner, . . .	200	F. W. Palfrey, ...	100
Joseph B. Glover, . . .	100	Frank E. Peabody, . . .	100
Mrs. Ozias Goodwin, . .	100	A. L. Rotch, ...	100
Miss Eliza Goodwin, . .	100	Henry B. Rogers, . . .	100
R. C. Greenleaf, ...	100	Henry Saltonstall, . . .	100
W. O. Grover, ...	100	F. R. Sears, ...	100
Mrs. Helen M. Gardner, .	100	J. P. Squire & Co., . . .	200
George Higginson, . . .	100	Mrs. G. H. Shaw, . . .	100
F. L. Higginson, ...	100	Henry S. Shaw, ...	100
Miss Eunice Hooper, . .	100	Nathaniel Thayer, . . .	200
George D. Howe, ...	100	J. E. Thayer, ...	100
Hoosac Tunnel Dock & Elevator Co., ...	100	Bayard Thayer, ...	100
E. W. Hooper, ...	100	George W. Wales, . . .	100
F. Haven, Jr., ...	100	Charles E. Ware, . . .	100
Samuel Johnson, ...	100	R. C. Winthrop, Jr., . .	100
Mrs. Charlotte A. Johnson.	100	Otis E. Weld, ...	100
Amory A. Lawrence, . .	100	Henry Woods, ...	100
Mrs. Anna C. Lodge, . .	100	Miss Anne Wigglesworth,	200
Theodore Lyman, . . .	100	J. Huntington Wolcott, .	100
W. Powell Mason, . . .	100	Mrs. Thomas Lindall Winthrop, ...	100
Ida M. Mason, ...	100	Mrs. J. Huntington Wolcott, ...	100
Mass. Humane Society, .	200		
Carried forward, . . .	$7,756		$11,356

Total Free Bed Subscriptions (88) in 1886, ... $10,812

Total Free Bed Subscriptions (89) in 1887, ... 11,356

TABLE No. 9.— LIBRARY FUNDS.

TREADWELL LIBRARY FUND.

Balance, Dec. 31, 1886: —		
Principal, ...		$5,000.00
Income Debit Balance, ...	$24.65	
1887, Income received, ...	295.00	
	$270.35	
Income expended, ...	180.80	
	$89.55	
Balance, Dec. 31, 1887: —		
Principal, ...		5,000.00
Income, ...	$89.55	

WARREN LIBRARY FUND.

Balance, Dec. 31, 1886: —		
Principal,		$1,000.00
Income,	$580.62	
Amount of Income received, 1887,	59.00	
	$639.62	
Balance, Dec. 31, 1887: —		
Principal,		1,000.00
Income,	$639.62	

TABLE No. 10.

WOODEN LEG FUND.

Balance, Dec. 31, 1886: —		
Principal,		$5,000.00
Income,	$630.19	
1887, Income received,	295.00	
	$925.19	
Income expended,	450.00	
	$475.19	
Balance, Dec. 31, 1887: —		
Principal,		$5,000.00
Income,	$475.19	

TABLE No. 11.

THE BOWDITCH HISTORY FUND.

Balance, Dec. 31, 1886: —		
Principal,		$2,000.00
Income,		1,067.27
		$3,067.27
Amount of Income received,	$118.00	
Amount of Income expended,	305.91	187.91
		$2,879.36
Balance, Dec. 31, 1887: —		
Principal,	$2,000.00	
Income,	879.36	
	$2,879.36	

TABLE No. 12.

GENERAL FUND.

Balance, Dec. 31, 1886,	$1,139,643.18	
Add one-third profits of Mass. Hospital Life Ins. Co.,	5,000.00	
Add stock dividend Amoskeag Manufacturing Company,	2,766.00	
Add donation of Edward W. Hooper,	1,500.00	
		$1,148,909.18
Less balance of Insurance Account,	$493.75	
Less balance of premiums for Stocks and Bonds,	3,334.53	
Less amount paid J. Wilson, Annuitant,	710.00	
Less balance of expenses over Income,	22,982.09	
Balance, Dec. 31, 1887,	1,121,388.81	
		1,148,909.18

TABLE No. 13.

RESTRICTED FUNDS.

Income devoted to Free Beds: —

The Joy Fund, being a bequest from Miss Nabby Joy,	$20,000.00
Belknap Fund, being a bequest from Jeremiah Belknap,	10,000.00
Wm. Phillips Fund, being a bequest from Wm. Phillips,	5,000.00
Williams Fund, being a bequest from John D. Williams, of estate No. 17 Blackstone Street,	19,600.00
Bromfield Fund, being half of a bequest from John Bromfield,	20,000.00
Miss Townsend Fund, being a donation from the Executors of the will of Miss Mary P. Townsend,	11,486.50
Brimmer Fund, being a bequest from Miss Mary Ann Brimmer,	5,000.00
Wilder Fund, being a bequest from Charles W. Wilder,	12,000.00
Sever Fund, being a bequest from Miss Martha Sever,	500.00
Thompson Fund, being a bequest from S. B. Thompson,	500.00
Amount carried forward,	$104,086.50

Amount brought forward, ...	$104 086.50
Tucker Fund, being a bequest from Miss Margaret Tucker, ...	3,312.37
Davis Fund, being a bequest from Mrs. Eleanor Davis, ...	900.00
Loring Fund, being a bequest from Abigail Loring, ...	5,000.00
Nichols Fund, being a bequest from B. R. Nichols, ...	6 000.00
Gray Fund, being a donation from John C. Gray, ...	1,000.00
Dowse Fund, being a bequest from Thomas Dowse, ...	5,000.00
Todd Fund, being a bequest from Henry Todd, ...	5,000.00
J. Phillips Fund, being a bequest from Jonathan Phillips, ...	10,000.00
Greene Fund, being a bequest from Benj. D. Greene, ...	5,000.00
Percival Fund, being a bequest from John Percival, ...	950.00
Pickens Fund, being a bequest from John Pickens, ...	1,676.75
Treadwell Fund, being part of a bequest from J. G. Treadwell, ...	38,703.91
Raymond Fund, being a bequest from E. A. Raymond, ...	2,820.00
Harris Fund, being part of a bequest from Charles Harris, ...	1,000.00
Mason Fund, being a bequest from Wm. P. Mason, ...	9,400.00
Sawyer Fund, being part of a bequest from M. P. Sawyer, ...	7,000.00
J. L. Gardner Fund, being a donation from J. L. Gardner, ...	20,000.00
B. T. Reed Fund, being a donation from Benj. T. Reed, ...	1,000.00
Wm. Reed Fund, being a bequest from Wm. Reed, ...	5,233.92
McGregor Fund, being half of a donation and bequest from James McGregor, .	7,500.00
Miss Rice Fund, being a bequest from Miss Arabella Rice, ...	5,000.00
Templeton Fund, being half of a bequest from John Templeton, ...	5,000.00
Mrs. J. H. Rogers Fund, being a donation from J. H. Rogers, ...	1,177.50
Amount carried forward, ...	$251,760.95

Amount brought forward, ...	$251,760.95
Beebe Fund, being a bequest from J. M. Beebe, ...	50,000.00
Lincoln Fund, being half of a bequest from Mrs. F. W. Lincoln, ...	85,000.00
Blanchard Fund, being a bequest from Mrs. M. B. Blanchard, ...	4,000.00
George Gardner Fund, being a donation from George Gardner, ...	1,000.00
Hemenway Fund, being a donation from the Executors of the will of Augustus Hemenway, ...	20,000.00
Jessup Fund, being part of a bequest from Dr. Chas. A. Jessup, ...	1,000.00
Tufts Fund, being a bequest from Quincy Tufts, ...	10,000.00
Read Fund, being half of a bequest from Jas. Read, ...	1,000.00
Parker Fund, being a bequest from Jno. Parker, Jr., ...	10,000.00
Miss Shaw Fund, being a donation and bequest from Miss M. Louisa Shaw, .	5,500.00
Eliza Perkins Fund, being a donation from Mrs. H. B. Rogers, ...	1,000.00
Dwight Fund, being a donation from Mrs. T. Bradford Dwight, ...	1,000.00
Hunnewell Fund, being a donation from H. H. Hunnewell, ...	10,000.00
R. M. Mason Fund, being a bequest from R. M. Mason, ...	5,000.00
Hannah Lowell Cabot Fund, being a donation from Dr. Samuel Cabot, . . .	1,000.00
Welles Fund, being a donation from Miss Jane Welles, ...	5,000.00
Black Fund, being a bequest from Miss Marianna Black, ...	2,000.00
Eben Wright Fund, being an assignment of legacies by the children of T. Jefferson Coolidge, ...	14,000.00
Paraclete Holmes Fund, being a donation from W. S. Adams, ...	2,000.00
Estabrooks Fund, being a bequest from J. W. Estabrooks, ...	1,000.00
The Thayer Fund, being a bequest from Nathaniel Thayer, ...	30,000.00
Sawyer Fund, being part of a bequest from M. P. Sawyer, ...	59,397.85
Amount carried forward, ...	$570,658.80

Amount brought forward, ...	$570,658.80	
Ann E. Gray Fund, being a bequest from Miss Ann E. Gray, ...	5,000.00	
John Bertram Fund, being a donation from Mrs. Clara Bertram Kimball, .	5,000.00	
Hannah C. Leland Fund, being a bequest from Mrs. Hannah C. Leland, . . .	15,000.00	
Esther E. Beebe Fund, being a bequest from Mrs. Esther E. Beebe, . . .	2,000.00	
Ella F. Roehl Fund, being part of a bequest from Ella F. Roehl, . . .	6,000 00	
Two subscriptions from Friends, $100 each, ...	200 00	
Henry B. Rogers Fund, being a bequest from Henry B. Rogers, ...	10,000.00	
John H. Eastburn Fund, being a bequest from John H. Eastburn, ...	10,000.00	
Mrs. Susan F. Eastburn Fund, being a bequest from Mrs. Susan F. Eastburn,	1,000.00	
William B. Craft Fund, being a bequest from William B. Craft, ...	5,000.00	
Emily W. Appleton Fund, being a donation from Mrs. Emily W. Appleton, .	1,000.00	$630,858.80

Income devoted to beneficiaries at Asylum: —

The Bromfield Fund, being half of a bequest from John Bromfield, ...	$20,000.00	
Read Fund, being half of a bequest from Jas. Read, ...	1,000.00	
Appleton Fund, $10,010 being a bequest from Samuel Appleton, $20,000 being a donation from Wm. Appleton, . .	30,010.00	
McGregor Fund, being half of a donation and bequest from James McGregor, .	7,500.00	
Austin Fund, being part of a bequest from Mrs. Agnes Austin, ...	5,000.00	
Kittredge Fund, being a bequest from Rufus Kittredge, ...	5,500.00	
Templeton Fund, being half of a bequest from John Templeton, ...	5,000.00	
Proctor Fund, being a bequest from Mrs. Lydia P. Proctor, ...	1,000.00	
		75,010.00
Amount carried forward, ...		$705,868.80

Amount brought forward, ...	$705,868.80
Income devoted to Female Beneficiaries at Asylum: —	
The Lincoln Fund, being half of a bequest from Mrs. F. W. Lincoln, ...	85,000.00
Income unrestricted: —	
The Waldo Fund, being a bequest from Daniel Waldo, ...	40,000.00
Income devoted to any purpose except buildings: —	
The Redman Fund, being a bequest from John Redman, ...	455,113.34
Income devoted to a Triennial Prize: —	
The Warren Prize Fund, being a bequest from Dr. J. M. Warren, ...	3,579.92
Income devoted to the Library: —	
The Treadwell Library Fund, being part of a bequest from J. G. Treadwell, . . .	5,000.00
Income devoted to Books for Patients: —	
The Warren Library Fund, being a donation from Dr. J. C. Warren, ...	1,000.00
Income and Principal devoted to the publication of a History of the Hospital: —	
The Bowditch History Fund, being a bequest from N. I. Bowditch, ...	2,000.00
Income devoted to Amusements at the Asylum: —	
The Amusement Fund, $5,000 being a bequest from Miss Mary Louisa Shaw, $5,000 being a donation from Mrs. Quincy A. Shaw and other Ladies, ...	10,000.00
Amount carried forward, ...	$1,307,562.06

Amount brought forward, ...		$1,307,562.06
Income devoted to Special Surgical Instruments: —		
The Surgical Instrument Fund, being a donation from Dr. H. J. Bigelow, $1,250; donation of Mr. R. M. Moore, $100, .		1,350.00
The Wooden Leg Fund: —		
Being a bequest from N. I. Bowditch, . . .		5,000.00
The Convalescent Home Fund, .	$132,280.66	
Donation from Mr. George A. Gardner, ...	5,000.00	
Donation from Miss Mary Russell, ...	40.00	137,320.66
Permanent Free Beds: —		
Miss Marian Hovey, ...	$1,000.00	
Mrs. Fanny H. Morse, ...	1,000.00	
Henry S. Hovey, ...	1,000.00	
Edward Woodman, ...	1,000.00	
Children of Mrs. Henry Windsor, ...	1,000.00	
D. R. Whitney, ...	1,000.00	
George Gardner, ...	1,000.00	7,000.00
Redman Annuities, ...		15,600.00
Clara Barton Annuity, ...		3,241.00
Asylum Building Fund, ...		187,415.93
G. H. Gay Fund, ...		6,142.53
Dr. J. H. Whittemore Memorial Fund, ...		33,720.00
S. R. Urbino Fund, ...		5,000.00
Amount carried forward, ...		$1,709,352.18

Amount brought forward, ...		$1,709,352.18
Add unused income at credit of		
Warren Prize Fund, ...	$360.32	
Warren Library Fund, ...	639.62	
Bowditch History Fund, ...	879.36	
Surgical Instrument Fund, ...	1,475.21	
Wooden Leg Fund, ...	475.19	
Clara Barton Annuity, ...	191.22	
Treadwell Library Fund, ...	89.55	
		4,110.47
Total of Restricted Funds, ...		$1,713,462.65

TRIAL BALANCE, DECEMBER 31, 1887.

Dr.		*Cr.*	
Land and Buildings for Asylum,	$320,794.75		
Land and Buildings for Hospital,	576,091.51		
Land and Improvements at Belmont,	83,399.41		
Annuities Receivable,	160,000.00		
Insurance Stock,	50,000.00		
Reversions (see "Suspense"),	10.00		
Delaware Mutual Insurance Company's Scrip,	520.00		
Manufacturing Stocks,	47,400.00		
Bank Stocks,	78,200.00		
Railroad Stocks,	25,500.00		
Railroad Bonds,	619,600.00		
Notes Receivable,	292,100.00		
City and Town Bonds,	13,000.00		
United States 4% Bonds,	10,000.00		
Real Estate, Productive,	409,866.64		
Real Estate on Fruit Street and vicinity,	62,968.64		
Building on Floral Place,	46,794.41		
Edward Cowles, Superintendent,	28,468.95		
John W. Pratt, Resident Physician,	2,342.59		
Cash,	16,910.56		
	$2,843,967.46		
Redman Fund,		$455,113.34	
Warren Prize Fund,		3,579.92	$360.32
Bowditch History Fund,		2,000.00	879.36
Wooden Leg Fund,		5,000.00	475.19
Clara Barton Annuity,		3,241.00	191.22
Surgical Instrument Fund,		1,350.00	1,475.21
Amusement Fund,		10,000.00	
Free Beds Fund,		630,858.80	
Warren Library Fund,		1,000.00	639.62
Beneficiaries at Asylum Fund,		75,010.00	
Treadwell Library Fund,		5,000.00	89.55
Lincoln Fund,		85,000.00	
Funds with Income Unrestricted,		40,000.00	
Permanent Free Beds Fund,		7,000.00	
Suspense (see "Reversions"),		10.00	
Notes Payable,		3,500.00	
Asylum Building Fund,		187,415.93	
G. H. Gay Fund,		6,142.53	
General Fund,		1,121,388.81	
Convalescent Fund,		137,320.66	
Subscribers to Free Beds for 1888,		5,556.00	
Redman Annuities,		15,600.00	
Joy Annuitants,		50.00	
Dr. J. H. Whittemore Memorial Fund,		33,720.00	
S. R. Urbino Fund,		5,000.00	
		$2,839,856.99	$4,110.47
		4,110.47	
		$2,843,967.46	

Property on hand belonging to the Corporation invested as follows: —

INVESTMENTS PRODUCING NO INCOME.

Asylum:	Land and Buildings occupied for Asylum,	$320,794.75
	Superintendent's balance,	28,468.95
Hospital:	Land and Buildings occupied for Hospital,	576,091.51
	Resident Physician's balance,	2,342.59
Convalescent Home:	Land and Buildings at Belmont,	83,399.41
	Memorandum of expectancies,	10.00
		$1,011,107.21

INVESTMENTS PRODUCING INCOME.

Policies Mass. Hospital Life Ins. Co.,	$160,000.00
500 shares Mass. Hospital Life Ins. Co.,	50,000.00
$50,000 Eastern Railroad Co.'s Bonds,	50,000.00
$20,000 Kansas City & Cameron Railroad Bonds,	20,000.00
$5,000 Boston & Albany Railroad Co.'s 7 per cent. Bonds,	5,000.00
$100,000 Chicago, Bur. & Quincy R.R. 7 per cent. Bonds,	100,000.00
$52,000 Chicago, Bur. & Quincy R.R. 5 per cent. Bonds,	52,000.00
$10,000 Chicago, Bur. & Quincy R.R. 4 per cent. Bonds,	10,000.00
$30,000 Chicago, Bur. & Northern R.R. 5 per cent. Bonds,	30,000.00
$25,000 Chicago, Bur. & Northern R.R. 6 per cent. Bonds,	25,000.00
$100,000 Atch., Topeka & Santa Fé R.R. 7 per cent. Bonds,	100,000.00
$100,000 Atch., Top. & Santa Fé R.R. 4 1-2 per cent. Bonds,	100,000.00
$1,000 Atch., Topeka & Santa Fé R.R. 6 per cent. Bond,	1,000.00
$40,600 Bur. & Mo. River in Neb. R.R., Non-ex. 6 per cent. Bonds,	40,600.00
$10,000 Bur. & Mo. River in Neb. R.R., Exempt 6 per cent. Bonds,	10,000.00
$10,000 Atchison, Topeka & Santa Fé R.R. Land Grant 7 per cent. Bonds,	10,000.00
$10,000 Kansas City, Topeka & Western R.R. 7 per cent. Bonds,	10,000.00
$7,000 Cedar Rapids & Mo. River R.R. 7 per cent. Bonds,	7,000.00
$5,000 Bur., Cedar Rapids & Northern R.R. 5 per cent. Bonds,	5,000.00
$4,000 Ft. Scott, So. Eastern & Mem. R.R. 7 per cent. Bonds,	4,000.00
$10,000 Fremont, Elkhorn & Mo. Valley R.R., 6 per cent. Bonds,	10,000.00
$30,000 Union Pacific R.R. Skg. Fd. 8 per cent. Bonds,	30,000.00
$10,000 United States 4 per cent. Bonds,	10,000.00
$2,000 City of Providence 5 per cent. Bonds,	2,000.00
$6,000 City of Kansas 8 per cent. Bonds,	6,000.00
Amount carried forward,	$847,600.00

Amount brought forward,	$847,600.00
$3,000 City of Charlestown 6 per cent. Bonds,	3,000 00
$1,000 City of Lynn 6 per cent. Bonds,	1,000.00
$1,000 City of Chelsea 6 per cent. Bonds,	1,000.00
100 Shares Old Colony R.R. Co.,	10,000.00
155 " Boston & Albany R.R. Co.,	15,500.00
14 " Merrimack Manufacturing Co.,	14,000.00
1 Share Appleton " "	1.000.00
9 Shares Amory " "	900.00
14 " Amoskeag " "	14,000.00
25 " Great Falls " "	2,500.00
5 " Boston " "	5,000.00
10 " Stark Mills " "	10,000.00
100 " National Union Bank,	10,000.00
100 " Suffolk National Bank,	10,000.00
70 " Tremont " "	7,000.00
50 " Old Boston " "	2,500.00
87 " State " "	8,700.00
100 " Columbian " "	10,000.00
100 " Merchants' " "	10,000.00
50 " New England National Bank,	5,000.00
40 " Massachusetts " "	10,000.00
50 " Eagle " "	5,000.00
Land and Store, 17 Blackstone Street,	19,600.00
" " " 168 Washington Street,	45,000.00
" " House, 61 Dartmouth Street,	10,000.00
Redman Estate, Washington Street,	106,000.00
Land and Houses on Warrenton Street,	17,700.00
" " Store, 496 Washington Street,	55,500.00
" " Houses on Chambers Street,	23,900.00
" " " " Cross Street,	12,691.64
" " House on Harrison Avenue,	9,975.00
" " " " Poplar Place,	2,500.00
Union Block, Union and Marshall Streets,	66,875.00
Robertson House, Hanover Street,	40,125.00
Building on Floral Place,	46,794.41
Real Estate, Fruit Street and vicinity,	62,968.64
Delaware Mutual Ins. Co. Scrip,	520.00
Notes secured by Mortgage,	137,100.00
Notes Receivable, Personal and Collateral Securities,	155,000.00
Cash,	16,910.56
Investments producing income,	$1,832,860.25
Investments producing no income,	1,011,107.21
Total, foot of Trial Balance,	$2,843,967.46

F. HAVEN, Jr., *Treasurer.*

TABLE OF THE EXPENSES OF THE HOSPITAL AND ASYLUM FOR TWENTY-SIX YEARS,—1862 TO 1887.

ORDINARY EXPENSES.

Year.	Cost of Paying Patients.	Cost of Free Patients.	Other Charities.	Total Expenses of		Average cost per week per patient.		Cost over Board.	
	Hospital.	Hospital.	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.
1862	$6,628.65	$35,072.01	$414.15	$42,114.81	$71,823.46	$6.04	$7.27	$36,260.92	$6,640.81
1863	6,151.27	40,575.14	695.30	47,421.71	69,300.63	6.66	6.98	41,109.46	2,170.56
1864	10,224,81	49,286.53	648.21	60,159.55	101,484.38	8.38	9.76	52,445.01	4,523.85
1865	23,119.62	34,131.83	717.35	57,968.80	120,885.84	9.86	12.49	43,121 53	9,507.86
1866	30,086.08	37,538.12	1,162 60	68,786.80	126,015.83	13.88	12.30	53,809.36	558.19
1867	26,086.67	33,758.02	1,164.53	61,009.22	133,844.14	11.28	13.84	44,291.54	
1868	23,663.50	42,481.71	1,419.26	67,564.47	142,535.36	12.74	16.51	52,803.02	14,642.07
1869	20,128.86	40,736.44	1,373.30	62,238.60	138,132.02	10.14	14.21	48,811.90	
1870	15,844.35	46,087.42	883.05	62,814.82	134,339.63	10.05	13.83	50,811.01	
1871	15,266.51	47,126.12	1,133.74	63,526.37	146,191.23	9.96	15.80	52,447.68	9,996.88
1872	12,664.70	56,537.74	1,497.86	70,700.30	153,327.60	10.10	16.93	59,547.91	14,917.57
1873	16,681.66	69,109.97	2,135.29	87,926.92	165,023.79	10.29	19.23	72,435.94	26,404.27
1874	14,198.41	64,266.27	2,634.60	81,099.28	161,934.11	10.13	19.59	67,548.81	2,750.66
1875	10,677.72	71,447.23	1,761.59	83,886.54	165,660.47	9.72	21.07	71,989.93	11,872.47
1876	11,344.58	82,033.60	1,312.94	94,691.12	164,973.80	9.41	19.72	82,027.86	13,019.51
1877	10,833.10	72,678.63	279.16	83,790.89	143,148.94	9.47	15.66	72,957.79	
1878	11,252.42	85,102.61	588.98	96,944.01	136,394.36	9.87	15.55	83,516.61	
1879	11,564.44	77,216.88	514.25	89,295.57	117,250.02	10.54	14.30	73,440.58	
1880	10,529.35	81,085.73	462.82	92,077.90	131,172.69	10.39	16.48	79,280.61	10,078.33
1881	13,462.12	88,241.17	450.51	102,153.80	134,561.14	11.87	16.92	88,268.68	20,719.30
1882	12,947.98	95,642.45	8,928.82*	117,519.25	138,518.26	12.43	17.02	95,684.95	18,172.21
1883	18,389.28	90,665.70	6,575.92*	115,630 90	139,711.39	12.63	16.16	91,213.57	5,376.89
1884	21,476.00	101,954.31	6,873.69*	130,304.00	139,201.67	14.75	16.00	107,974.18	2,612.02
1885	10,728.87	93,411 59	8,483.90*	112,624.36	140,278.86	11.99	15.72	87,464.96	
1886	13,423.09	99,054 20	10,831.84*	123,309.13	144,374.33	12.50	15.94	96,986.71	5,805.42
1887	15,337.90	105,543.61	9,856.94*	130,738.45	139,497.70	12.56	16.35	105,012.17	15,049.93
26 years, ...								$1,811,352.69	$194,818.80

* Including Convalescent Home.

Annual Report of the Resident Physician

of the

Massachusetts General Hospital

For the Year 1887.

Number of Patients in the Hospital January 1, 1888.

Paying,	18
Free,	183
Total,	201

Admitted from January 1, 1887, to January 1, 1888.

	Males.	*Females.*	*Total.*
Patients paying board,	255	174	429
Patients paying board part of the time,	30	15	45
Patients entirely free,	1,373	967	2,340
	1,658	1,156	2,814

	Medical.	*Surgical.*
Males (Boys), 119,	559	1,099
Females (Girls), 73,	581	575
Children (2), 36,		
	1,140	1,674

Of these, 11 paid $35; 79 paid $21; 120 paid $14; 2 paid $10.50; 1 paid $10; 215 paid $7; 1 paid $6; 9 paid $5; 35 paid $3.50; 1 paid $2.50.

Whole number of patients treated during the year: paying, 447; paying a part of the time, 45; free, 2,523; total, 3,015.

Discharged during the Year.

	Medical.	*Surgical.*	*Male.*	*Female.*	*Total.*
Well,	623	1,071	974	720	1,694
Much relieved,	142	134	160	116	276
Relieved,	139	150	163	126	289
Not relieved,	53	36	55	34	89
Not treated,	70	103	101	72	173
Dead,	127	118	175	70	245
Insane and eloped,	3	20	15	8	23
	1,157	1,632	1,643	1,146	2,789

Number of Patients remaining December 31, 1887.

Males,	110
Females,	91
Total,	201
Paying,	18
Free,	183
Total,	201
Medical,	83
Surgical,	118
Total,	201

Proportion of deaths to whole number of results, 8.78 per cent.

Number of patients received on account of accidents, 490.

The greatest number of paying patients at any one time was 40; in private rooms, 8; the greatest number of free patients, 196; the greatest total, 217. The least number of paying patients at any one time was 11; in private rooms, 1; the least free, 118; the least total, 150.

The proportion of ward beds occupied by free patients was 86 per cent.; by paying patients, 14 per cent.

About 19.8 of the paying patients occupied private

rooms. The average number of patients was 185: males, 107; females, 78.

The average number of paying patients was 24: Americans, 15; foreigners, 9.

The average number in private rooms was 6.

The average number of free patients was 161: Americans, 79; foreigners, 82.

The average time of paying patients was 2.90 weeks; and that of free patients, 3.57.

Residences.

Boston,	1,025
Massachusetts (excepting Boston),	1,590
Maine,	32
New Hampshire and Vermont,	73
Rhode Island and Connecticut,	38
Other States,	32
British Provinces,	24
	2,814

Birthplaces.

Boston,	208
Massachusetts (excepting Boston),	757
Maine,	147
New Hampshire,	78
Vermont,	47
Rhode Island and Connecticut,	45
New York,	46
Southern and Western States,	48
Total Americans,	1,376
British Provinces,	328
Great Britain,	162
Ireland,	754
Germany,	58
Norway and Sweden,	57
France,	13
Switzerland,	2
Italy,	24
Other places,	40
Total foreigners,	1,438

Occupations.

Males.	*Paying.*	*Free.*	*Partial.*
Mechanics,	46	326	9
Laborers,	29	404	7
Farmers,	17	49	2
Minors,	8	127	3
Seamen,	12	57	1
Clerks,	31	109	3
Teamsters,	8	49	1
Traders,	25	44	1
Servants,	7	69	2
Lawyers,	2		
Clergymen,	2		1
Physicians,	8	3	
Merchants,	40	44	
Students,	12	13	
Other professions,	8	79	
	255	1,373	30

Total males, 1,658. Of these, 64 were in private rooms.

Females.	*Paying.*	*Free.*	*Partial.*
Domestics,	32	334	
Minors,	9	89	2
Wives,	85	306	8
Widows,	18	64	4
Seamstresses,	2	34	1
Spinsters,	10	27	
Operatives,	1	17	
Teachers,	10	10	
Clerks,		22	
Nurses,		23	
Other professions,	7	41	
	174	967	15

Total females, 1,156. Of these, 31 were in private rooms.

Fourteen per cent. of the free patients were female domestics; seventeen per cent. were laborers; thirteen per cent. were mechanics; and nine per cent. were minors.

Admissions Refused.

Phthisis (Consumption),	8
Syphilis,	3
Chronic Ulcers,	3
Scrofula and Abscesses,	7
Carried forward,	21

Brought forward,	21
Hip and Spine,	9
Chronic Rheumatism,	6
Paralysis,	7
Epilepsy,	1
Of Skin,	1
Contagious,	3
Other diseases,	13
Total,	62

Males,	34
Females,	28
Americans,	48
Foreigners,	14
Residents of Boston,	32
Residents of Massachusetts,	23
Residents of other places,	7

Out-patients.

Number of new patients,	18,981
Men,	8,675
Women,	7,362
Children,	2,944
Americans,	9,601
Foreigners,	9,380
Residents of Boston,	11,259
Of other places,	7,722
Medical department for women,	4,223
Medical department for men and children,	4,294
Surgical department,	5,930
Ophthalmic department,	687
Department for diseases of the skin,	1,785
Department for diseases of the nervous system,	853
Department for diseases of the throat,	1,209

Total attendance, 48,913.
Average daily attendance, 156.

Of the surgical cases there were: —

Head and face,	410
Trunk,	222
Fractures of clavicle,	59
Shoulder and arm,	215
Forearm and wrist,	349
Elbow,	157
Hand,	918
Carried forward,	2,330

Brought forward,	2,330
Thigh, leg, ankle, foot,	593
Knee,	320
Genito-urinary,	374
Syphilis,	154
Bones and Periosteum,	215
Rheumatism and Neuralgia,	115
Abscesses and Inflamed Glands,	642
Ulcers,	206
Burns and Miscellaneous,	981
Total,	5,930

Number of applicants,	16,590
Number admitted,	15,304
Number refused,	484
Number sent to physician's office,	802
Number visited,	1,252
Number visited, correct statement,	715
Number visited, incorrect statement,	537

Convalescent Home:—

Admitted to the Home in 1883,	101
Admitted to the Home in 1884,	187
Admitted to the Home in 1885,	315
Admitted to the Home in 1886,	295

	Males.	*Females.*	*Total.*
Remaining Jan. 1, 1887,	11	8	19
Admitted during 1887,	144	164	308
Total,	155	172	327
Discharged,	147	164	311
Remaining Jan. 1, 1888,	8	8	16

The Young Men's Christian Union gave us twenty-five rides, taking out one hundred and fifty-eight patients.

Respectfully submitted,

JOHN W. PRATT,
Resident Physician.

Boston, Jan. 1, 1888.

TABLE SHOWING THE COST OF THE PRINCIPAL STORES AT THE MASSACHUSETTS GENERAL HOSPITAL.

Articles.	1879.			1880.			1881.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, Sirloin, lbs.	8,375	$1,716.87	.205	8,815	$1,692.99	.1941	8,658	$1,792.20	.207
" for Soup, "									
" Corned, "	4,123	288.61	.07	4,952	346.64	.07	5,183	367.99	.07
" Round, "	12,973	1,054.70	.0813	16,414	1,148.98	.07	19,477	1,636.06	.084
" Rump, "									
" Roasting, "	14,141	1,341.98	.0949	16,439	1,643.90	.10	16,438	1,758.86	.107
Mutton, . . "	12,592	1,385.12	.11	15,522	1,876.60	.1208	21,093	2,720.99	.129
Poultry, . . "	14,488	2,433.98	.168	13,682	2,123.44	.1552	13,562	2,278.41	.168
Butter, . . . "	10,526	2,589.39	.246	11,011	3,366.06	.3057	11,129	3,505.63	.315
Eggs, . . doz.	4,392	843.26	.192	4,214	866.39	.2056	4,401	1,188.27	.26
Flour, . . bbls.	37	266.80	7.40	51	440.15	8.65	49	468.73	9.565
Bread, . . lbs.	36,556	1,827.80	.05	40,536	2,026.80	.05	4,892	1,744.60	.05
Ice, . . . tons.	271¾	714.70	2.63	280½	1,297.56	4.63	305	887.55	2.91
Sugar, . . lbs.	15,462	1,189.32	.0769	21,005	2,003.87	.0954	20,552	1,901.06	.09
Tea, . . . lbs.	848	337.82	.398	1,134½	471.95	.416	555	244.22	.44
Milk, . . . qts.	96,186	4,934.34	.0513	89,904½	4,495.22½	.05	92,350	4,617.50	.05
Potatoes, . bush.	942	1,010.76	1.073	1,039½	902.58	.868	981	1,101.66	1.125

Articles.	1882.			1883.			1884.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, Sirloin, lbs.	7,856	$1,931.95	.245	8,793	$1,975.38	.224	8,845½	$2,183.64	.246
" for Soup, "									
" Corned, "	6,522	673.76	.103	6,925½	670.88	.095	6,487	583.08	.09
" Round, "	19,705	1,976.68	.103	22,327	2,12 0.83	.095	25,821	2,531.60	.098
" Rump, "									
" Roasting, "	16,221	2,159.07	.133	16,962	2,047.78	.120	16,438	2,003.44	.121
Mutton, . . "	16,365	2,216.01	.135	21,075	2,999.89	.142	15,186½	2,102.29	.138
Poultry, . . "	12,082	2,348.41	.195	10,263	2,318.56	.225	12,798	2,523.79	.197
Butter, . . . "	16,843	3,770.97	.221	10,468	3,329.97	.317	11,321	3,636.60	.32
Eggs, . . doz.	5,234	1,470.59	.281	5,479	1,491.60	.272	8,374	2,182.67	.26
Flour, . . bbls.	49	459.25	9.937	52	406.00	7.80	53	383.25	7.23
Bread, . . lbs.	35,340	1,943.70	.055	34,971	1,923.42	.055	36,245	1,992.48	.054
Ice, . . . tons.	352¾	737.72	2.209	380 1/10	679.27	1.78	407.55	773.20	1.89
Sugar, . . lbs.	22,192	2,021.57	.091	20.980	1,801.38	.086	22,474	1,563.49	.069
Tea, . . . lbs.	1,114	446.85	.401	1,074	432.60	.402	1,080	435.85	.403
Milk, . . . qts.	95,358	5,007.70	.052	106.032	5,637.78	.053	111,068½	5,907.26	.053
Potatoes, . bush.	1,005	1,374.72	1.368	1,062½	1,129.15	1.063	1,195	1,005.25	.917

Articles.	1885.			1886.			1887.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, Sirloin, lbs.	9,543	$2,160.12	.226	9,764	$2,206.32	.225	9,516	$1,972.84	.20
" Corned, "	6,345	561.45	.088	6.216	493.61	.08	6,051	423.57	.07
" Round, "	25,140	2,220.83	.08	28,474	2,456.05	.088	29,957	2,310.12	.077
" Rump, "									
" Roasting, "	17,220	1,936.58	.112	18,346	1,972.72	.10	18,928	1,652.59	.08
Mutton, . . "	13,189	1.585.60	.12	11,721	1,536.20	.12	12,900	1,357.82	.11
Poultry, . . "	12,149	2,256.88	.185	13,704	2,286.25	.16	14,997	2,390.26	.15
Butter, . . "	11,447	3,368.27	.294	12,122	3,576.20	.294	12,848	3,761.27	.29
Eggs, . . doz.	9,433	2,328.48	.25	8,971	2,091.22	.25	9,654	2,460.78	.27
Flour, . . bbls.	55	341.85	6.21	55	316.55	5.75	55	304.10	5.56
Bread, . . lbs.	36,685	2,017.67	.055	35,688	1,962.83	.055	40,353	2,219.40	.055
Ice, . . . tons.	433 65/100	966.57	2.22	487.52	1,123.21	2.30	512.15	1,177.25	2.30
Sugar, . . lbs.	21,245	1,288.65	.06	23,042	1,357.59	.055	22,604	1,385.12	.06
Tea, . . . lbs.	853	341.70	.40	1,205	482.00	.40	1,265	495.44	.39
Milk, . . . qts.	110,332	5,943.84	.053	113,669	6,054.88	.052	134,232	7,150.11	.052
Potatoes, . bush.	1,158	1,001.25	.942	1,100	1,021.77	.928	1,215	1,352.92	1.11

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS AT THE MASSACHUSETTS GENERAL HOSPITAL, FROM SEPTEMBER 3, 1821, TO DECEMBER 31, 1887.

Year.	Total admitted.	Whole number treated. Free.	Paying board all the time.	Paying part of the time.	Whole number treated. Pay'g board.	Paying board part of time	Free.	Discharged well.	Percentage on "Total admitted."	Much relieved, or relieved in part.	Not relieved.	Not treated, unfit, dismissed, etc.	Deaths.	Percentage on "Total admitted."	Greatest number free at one time.	Greatest number paying at one time.	Greatest total.	Least total.	Average.	Accidents.	Percentage.	Average time of paying weeks.	Average time of free weeks.	Patients remaining under treatment Dec. 31. Paying.	Free.	Out-patients treated.
21 to 1843	8727	3733	4482	512				3991		2902	913	105	624				123	54								
1843	365	183	167	15				136	37	115	55	17	41	11		...	56	33	47*			4	6			
1844	435	250	174	11				183	43	137	41	23	47	11		30	71	40	53	55	12*	3 6-7	7 1-7			
1845	453	265	176	12				205	45	130	37	28	54	12	44	34	72	37	56	62	14	5 4-7	6 6-7			
1846	459	250	182	27				211	46	137	30	33	36	8	44	28	72	37	55	59	13	3 1-2	4 3-4			
1847	674	354	279	41				340	50	145	54	30	57	8	82	41	123	54	81	74	11	3 1-2	4 1-2			328
1848	804	460	283	61				400	50	219	52	39	103	13	86	38	124	94	108	103	12*	3 1-7	5			378
1849	870	543	273	54				436	50	218	75	58	84	9	89	38	127	90	112	97	11	2 4-7	5 5-7			272
1850	746	427	242	77				363	48	200	56	49	76	10	103	33	136	83	108	98	13	2 6-7	6			294
1851	839	477	298	64				387	46	235	47	63	98	11	93	48	141	77	112	123	15	3	6			237
1852	826	472	271	83				410	50	234	52	47	82	10	105	41	133	104	119	132	16	3 1-4	5			248
1853	925	505	335	85				431	46	287	70	66	82	9	108	39	142	108	120	159	17	3 1-6	7			358
1854	922	490	321	111				423	46	257	73	41	115	12	112	45	145	125	133	212	23	4	10			477
1855	915	416	352	147				456	50	238	59	51	102	11	107	59	152	114	134	157	17 3-10	3 3-7	11 4-7			645
1856	976	545	335	96				478	49	230	77	71	117	12	114	48	153	120	140	189	19	3	5			887
1857	920	549	280	91				510	55	195	57	66	130	14	119	40	157	103	128	163	17 7-10	2 2-3	5			1574
1858	1015	718	251	46				514	50	229	65	50	127	13	120	51	144	91	123	186	18*	4	7*			2223
1859	1240	934	257	49	287	49	1040	653	53	280	54	94	141	11	145	37	165	92	131	212	17	4	4 2-3	14	140	3523
1860	1240	997	201	42	215	42	1137	698	56	305	73	58	121	9¾	149	33	175	80	128	233	18 7-10	4	6	15	121	4433
1861	1416	1131	253	32	268	32	1252	831	59	318	79	57	99	7	135	37	162	120	140	297	21	4	5 3-4	16	124	4676
1862	1611	1175	425	11	441	11	1299	843	52	431	77	154	101	6¼	133	45	166	102	134	271	16 3-4	2 1-10	4 1-10	25	120	4800
1863	1648	1348	283	17	308	17	1468	856	52	459	96	70	162	9¾	135	29	158	116	137	292	17 7-10	3 4-10	4	24	126	4987
1864	1199	1262	326	11	350	11	1388	916	57	390	81	61	130	8	139	33	157	110	138	242	15 2-10	3.18	4.37	25	123	5619
1865	1199	564	567	68	592	68	687	702	59	295	68	74	104	8⅝	137	72	164	88	113	140	11 7-10	3.67	4.85	45	59	5356
1866	1120	497	578	45	693	45	556	677	60	82	50	74	96	8⅝	62	58	109	78	95	132	11 7-10	3.40	5.10	45	50	5608
1867	1206	626	556	24	601	24	676	676	56	282	62	141	94	7.8	77	62	126	72	104	113	9.36	3.37	4.26	39	69	4553
1868	1265	771	463	31	302	31	840	757	60	258	64	82	85	7	97	56	132	69	102	98	7.74	3.00	3.50	31	96	5264
1869	1390	834	532	24	563	24	930	771	55⅓	352	78	84	107	7.7	98	55	139	90	118	93	6.69	3.40	4.30	25	100	6953
1870	1302	858	414	30	439	30	958	780	60	303	65	68	85	6.45	106	45	137	98	120	140		3.37	4.82	24	86	8767
1871	1427	970	432	25	456	25	1056	821	57⅓	322	58	73	109	7.64	126	43	154	91	122	178		3.12	3.92	28	126	9792
1872	1547	1163	368	16	396	16	1289	958	62	313	76	84	120	7.75	133	42	160	97	135	259		3.15	4.35	30	120	11878
1873	1550	1075	411	64	441	64	1195	880	57	321	66	86	186	12	156	44	187	129	156	291		3.28	6.09	35	126	13517
1874	1639	1125	394	120	429	120	1251	946	57⅔	396	81	102	127	7.69	146	41	183	111	149	234		2.73	5.61	28	120	15612
1875	1841	1445	308	88	336	88	1565	1032	56	380	78	120	189	10.27	176	31	199	132	166	285		2.82	5.18	26	164	16993
1876	1906	1532	282	92	308	92	1696	1019	53½	502	91	144	150	7.86	182	36	210	163	185	245		3.22	5.73	19	171	17292
1877	1657	1270	339	48	358	42	1441	930	56	409	92	130	130	7.68	178	33	194	135	164	147		2.84	5.54	11	145	18004
1878	1794	1433	323	38	334	38	1578	956	50	505	59	138	134	7.46	170	34	187	132	165	200		2.80	5.27	17	141	18744
1879	1813	1436	335	42	352	42	1577	1040	57	422	84	125	143	7.94	165	30	188	131	163	222		2.84	5.16	17	140	18960
1880	2123	1724	354	45	371	45	1864	1186	54	545	74	150	151	7.16	165	35	188	156	170	351		2.58	4.53	17	157	20566
1881	2106	1678	402	26	419	26	1835	1324	62	429	70	103	189	8.96	168	39	195	139	166	391		2.79	4.41	15	140	18443
1882	2147	1736	399	12	414	12	1876	1312	61	463	59	13	177	8.13	167	35	195	143	168	348		2.84	4.41	24	141	16304
1883	2020	1492	449	79	473	79	1633	1286	63	378	61	108	181	8.93	168	49	189	143	168	432		2.75	4.80	32	128	7102*
1884	2096	1667	382	47	448	47	1815	1318	62	367	68	137	191	9.11	159	40	186	129	165	397		3	4.14	19	148	14824
1885	2327	1910	371	46	382	46	2044	1584	68	361	73	129	192	8.25	166	26	184	147	167	443		2.38	4.08	11	134	17016
1886	2580	2124	392	64	409	64	2283	1689	65	411	64	175	192	7.44	178	30	206	133	173	471		2.78	3.72	17	159	17925
1887	2814	2340	429	45	447	45	2523	1694	60	565	89	173	245	8.70	196	40	217	150	185	490		2.90	3.57	18	183	18981
	70494							29009		16952	3906	3939	6006													346413

*Out-patient Department open only five months.

Massachusetts General Hospital.

The Massachusetts General Hospital is a private, not a public institution.

Applications for admission of patients must be made at the Hospital on Blossom Street, Boston, on week-days, between the hours of 9 and 11 A.M. and 2 and 3 P.M.

Recent accidents admitted at all hours.

Out-patients received between 9 and 10 A.M., week-days only.

Applications from a distance must be made in writing, accompanied by a full description of the case by the attending physician, and, when a Free Bed is desired, by a statement of the pecuniary condition of the patient, and wait for a reply before sending the patient.

Contagious and chronic diseases are not admitted.

Regular charges to paying patients are as follows: in the Jackson Ward (private), $50 per week; in small room in the Townsend and Bigelow Wards, $25 per week; in the General Wards, $10 per week. These rates, covering only expenses of board and lodging, may be increased or abated in individual cases by the Resident Physician.

JOHN W. PRATT,
Resident Physician.

THE AMBULANCE

OF THE

MASSACHUSETTS GENERAL HOSPITAL,

Accompanied by a medical officer, will be despatched to any point within the city proper for the conveyance of cases of *accident* or *urgent sudden sickness*, *not contagious*, to this Hospital, or elsewhere, upon notice from a physician, the police, or other responsible source, subject to the approval of the undersigned.

In cases requiring gratuitous treatment, no charge will be made.

By order of the Board of Trustees.

JOHN W. PRATT,
Resident Physician,
Mass. Gen. Hospital, Blossom St.

SEVENTIETH ANNUAL REPORT

OF THE

SUPERINTENDENT OF THE McLEAN ASYLUM FOR THE INSANE,

TO THE

TRUSTEES OF THE MASS. GENERAL HOSPITAL,

For the Year 1887.

TO THE TRUSTEES OF THE MASSACHUSETTS GENERAL HOSPITAL:

Gentlemen, — The following report, with tabular statements relating to the number and condition of the patients treated in the Asylum during the year 1887, is respectfully presented: —

TABLE No. 1.

GENERAL STATISTICS OF THE YEAR.

	Males.	Females.	Total.
Patients in the Asylum, Jan. 1, 1887,	74	93	167
Admissions within the year,	32	43	75
Whole number of *cases* within the year,	106	136	242
Discharged within the year,	32	46	78
Namely, — as Recovered,	7	19	26
Much improved,	5	4	9
Improved,	3	8	11
Unimproved,	8	7	15
Deaths,	9	8	17
Patients remaining Dec. 31, 1887, supported as private patients,	74	90	164
Number of different *persons* within the year,	104	133	237
" " " " admitted,	31	43	74
" " " " recovered,	7	18	25
Daily average number of patients,	74.33	85.91	160.24

During the year one man, a case of melancholia, was twice admitted and twice discharged. One man and three women, present at the beginning of the year, were discharged and readmitted. Thus there were two hundred and forty-two cases treated, representing two hundred and thirty-seven persons.

Of the seventy-four persons admitted during the year, thirty-nine were regarded as recent cases, and thirty-five as chronic, or incurable.

Fifty-four persons, twenty-one men and thirty-three women, had never been in any hospital. Of the remaining twenty persons, fifteen, seven men and eight women, were admitted for the second time; three persons, two men and one woman, for the third time; one woman for the fourth time; and one man for the twenty-third time.

Thirty cases — representing twenty-nine persons, fourteen men and fifteen women — were admitted as voluntary patients upon their own written applications. Of these, seventeen were cases of melancholia, seven of mania, one of hysteria, and four of general paralysis. Of these twenty-nine persons, two were committed after entering the Asylum as voluntary cases, and one was twice admitted as a voluntary case. The thirty voluntary cases admitted during the year furnished eight recoveries; and twenty-five such cases remaining from previous years furnished five other recoveries during this year, making a total of thirteen recoveries out of fifty-five cases,— the total number of this class under treatment during the year. Thus, the voluntary class has yielded a percentage of 36.66 on the admissions of 1887. Of this class admitted during the year, four other cases were discharged improved or much improved, and four not improved. Of these thirty cases admitted in 1887 there were remaining, at the end of the year, fourteen

persons, seven men and seven women; and thirteen persons, six men and seven women, also remained from the admissions of previous years, so that the total remaining under the voluntary relation is twenty-seven persons, thirteen men and fourteen women.

The number of persons admitted as voluntary patients under the present law is as follows: namely, 1881, 1; 1882, 11; 1883, 33; 1884, 49; 1885, 34; 1886, 29; 1887, 29,—a total of 186 persons in seven years.

In 1887 there were eighteen less admissions, eighteen less discharges, and twenty-one less cases under treatment than during the year 1886; and the number present was three less at the end than at the beginning of the year.

Of the seventy-six persons discharged, including deaths, seven, three men and four women, were transferred to other hospitals in this State.

Of the twenty-five persons discharged recovered, eighteen had never before been inmates of any hospital; and all of the remaining seven persons had been in this Asylum. These seven persons had previously made thirty-five recoveries.

The average duration of illness from the beginning of attack in all cases recovered was 10.34 months, and the average duration of their residence in the Asylum was 6.86 months.

The percentage of recoveries on all admissions, for the year 1887, was 34.7. There were ten less recoveries than in the previous year. There were seventeen deaths, three more than last year.

The work of the year, as to the numbers admitted, discharged, and recovered, and the daily average under treatment, was less than that of last year. With ten less recoveries, the percentage of recov-

eries on admissions was diminished 4. The number of voluntary cases admitted was two-fifths of all the admissions. The percentage of recoveries furnished by this class of patients was 2 more than its due proportion, showing that slight advantage in this regard is derived from this class.

The general condition of the Asylum — as to its state of repair, the use of modern appliances and improvements of various kinds, the alterations for making rooms and halls lighter and more cheerful, the recent entire renewal of the heating apparatus, and the like — is better than at any time of late years. During the five years previous to 1880, in the expectation of an early removal to Belmont, it was natural that there should be a restriction of expenditures for repairs and alterations. Since the date mentioned, the renovation of the whole house, that has been gradually made, is now quite complete, including especially the apartments occupied by patients. The liberal additions that have been made to the accommodations for nurses, both male and female, have contributed to the good results brought about by the radical change in the system of instruction in nursing following the establishment of the Training School. Thus, the improvement of the personal comfort of the patients has been attended to; and this has been greatly promoted by the increase in the number of night nurses. The special improvement of the nursing service in general has also contributed to the curative influences that are to be gained by proper care.

Good progress has been made in the same direction, not only in maintaining the previous work of the Training School, but the system has been further developed. The second class of eight women was graduated during the year, and the graduates now

number twenty-four. Two of these have very successfully completed the additional course in the General Hospital, and two others have entered upon it. One of the former is to return to the Asylum as a supervisor and assistant teacher at the beginning of the new year; and others have been engaged in other asylums, from which applications for such trained nurses are being frequently received. This already proves the correctness of the prediction that a new way is being opened for the occupation of competent young women, in which important, desirable, and most useful positions can be gained in the asylums after a comparatively short period of special training. The demand for such service in the private nursing of the insane and of nervous invalids is increasing with the supply, and the work is profitable for those who engage in it. Only four of the graduates remained in the service at the end of the year, but this is quite in accordance with the expectation. The number of these will increase as time goes on. The number of applicants for admission to the school is ample, and in its two classes of women there are now sixteen in one and nineteen in the other. The classes of men are now fully organized, one numbering six and the other nineteen. The first class will soon graduate, one member of it having already been promoted to be a supervisor. The results so far of the training of the men have been very satisfactory.

It must be said that the labor and attention required — particularly in developing the organization of such a system of training, in preparing courses of lectures, etc.— are considerable in the aggregate; but, by being spread over much time, and with a proper provision of teachers, there need not be much inconvenience to the medical staff. To fully develop and substitute such a system in any asylum might require

a number of years before certain traditions of the old way could be eliminated, and all go on smoothly with a minimum of interference with the regular duties of the medical officers. The organization once completed, however, their share of the new work should be little more than the giving of weekly lectures and, perhaps, conducting a class recitation of the men. There is always some way to adjust these conditions; but, in the outset, the fact should be squarely met that what is so much worth having is worth all it will cost, and so some extra teaching force should be provided at the beginning. It is undoubtedly true that, were no "graduates" to remain in the asylums, the value and comfort of this system would be so great in the current benefit of carrying it on that, once appreciated, no asylum superintendent would be deprived of it. The necessary attention to it that is required of medical officers is good for them as well as for the nurses and, most important of all, for the patients.

The appointment of Dr. H. M. Locke as an assistant physician is to be mentioned as for temporary service. He was formerly a medical house pupil of the Asylum.

The pathological report of Dr. Gannett will be found in the Appendix, containing the results of the continuation of the work in that department.

The prospectus of the Training School will also be found in the Appendix, stating the requirements of applicants, terms, etc., both for men and women.

The Medical Library of the Asylum, organized within a few years, has now over a thousand volumes, and nearly as many pamphlets, relating to the mind and nervous system, and including some general medical works. Nearly one-half of all these were acquired during the past year. Among them are

valuable files of journals, both home and foreign, some of them rare and difficult to collect. Many of the modern publications are being added to the Library as they appear, and the older and classical works as they can be obtained. The books are all carefully classified upon a system similar to that of the Boston Medical Library, but with an expansion of the sections containing those treating of the special subject pertaining to the Asylum; and a complete card catalogue adds greatly to the usefulness of the collection. Any pamphlets relating to this or collateral subjects will be gladly received and appreciated, and will find a useful place here; and the same of books,— if offered as contributions or for sale, they will be gratefully accepted or bought to make up deficiencies in the Library. It can be made very valuable and useful otherwise than to the Asylum alone, even if in duplication somewhat of the more general libraries. To the Asylum, such a special library is invaluable.

The grateful thanks of the patients, and all who are concerned in their care, are always given to the friends of the Asylum for their continued kindnesses, that show their interest and sympathy.

Very respectfully,

EDWARD COWLES,
Medical Superintendent.

TABLE No. 2.

MONTHLY ADMISSIONS, DISCHARGES, AND AVERAGES.

Months.	Admissions.			Discharges (including Deaths).			Daily Average of Patients in the House.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
January, . .	1	1	2	. .	4	4	74.96	81.00	155.96
February, .	1	2	3	. .	4	4	72.25	81.25	153 50
March, . .	2	5	7	2	4	6	74.25	83.75	158.00
April, . . .	6	3	9	2	3	5	74.00	88.45	162 45
May, . . .	3	3	6	3	3	6	75.77	86.26	162.03
June, . . .	4	6	10	1	2	3	75.36	86.80	162.16
July, . . .	5	4	9	6	4	10	75.38	87.33	162.71
August, . .	1	5	6	6	4	10	75.51	89.20	164.71
September, .	4	1	5	3	4	7	72.23	90.17	162.40
October, . .	2	7	9	. .	8	8	74.19	85.71	159.90
November, .	. .	2	2	2	4	6	75.73	84.70	160.43
December, .	3	4	7	7	2	9	72.29	86.36	158.65
Total *cases*, .	32	43	75	32	46	78	74.33	85.91	160.24
Total *persons*,	31	43	74	31	45	76	. .	. .	. .

TABLE No. 3.

RECEIVED ON FIRST AND SUBSEQUENT ADMISSIONS.

Number of the Admission.	Cases admitted.			Times previously recovered.		
	Males.	Females.	Total.	Males.	Females.	Total.
First, ...	21	33	54	. .	2 .	2
Second, ...	7	8	15	3	4	7
Third, ...	3	1	4	. .	2	2
Fourth, ...	. .	1	1	. .	. .	. .
Twenty-third, . .	1	. .	1	22	. .	22
Total of *cases*, . .	32	43	75	25	8	33
Total of *persons*, .	31	43	74	. .	. .	. .

These 33 recoveries represent 11 persons, 9 having recovered one, 1 two, and 1 twenty-two times.

TABLE No. 4.

AGES OF PERSONS ADMITTED FOR THE FIRST TIME.

Ages.	At first attack of Insanity.			When admitted.		
	Males.	Females.	Total.	Males.	Females.	Total.
From 15 to 20 yrs.,	2	1	3	1	. .	1
" 20 " 25 "	1	7	8	1	6	7
" 25 " 30 "	1	5	6	1	5	6
" 30 " 35 "	2	7	9	3	8	11
" 35 " 40 "	4	4	8	4	3	7
" 40 " 50 "	5	2	7	5	4	9
" 50 " 60 "	5	5	10	5	4	9
" 60 " 70 "	. .	2	2	. .	2	2
" 70 " 80 "	1	. .	1	1	1	2
Total of *persons*,	21	33	54	21	33	54

TABLE No. 5.

PARENTAGE OF PERSONS ADMITTED.

Places of Nativity.	Males.		Females.		Total.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine, ...	3	2	1	1	4	3
New Hampshire, .	5	5	3	3	8	8
Vermont, ...	3	3	1	3	4	6
Massachusetts, . .	11	12	25	26	36	38
Rhode Island, . .	1	1	2	1	3	2
Connecticut, . . .	1	1	1	. .	2	1
New York, . . .	. .	. .	2	1	2	1
England, ...	2	2	1	2	3	4
Ireland, ...	2	2	3	3	5	5
New Brunswick, .	. .	. .	1	1	1	1
Nova Scotia, . . .	1	1	3	2	4	3
Germany, ...	1	1	. .	. .	1	1
Argentine Republic,	1	1	. .	. .	1	1
Total of *persons*, .	31	31	43	43	74	74

TABLE No. 6.

RESIDENCE OF PERSONS ADMITTED.

Places.	Males.	Females.	Total.
Massachusetts: —			
Suffolk County,	8	15	23
Middlesex County,	11	12	23
Essex County,	4	2	6
Norfolk County,	1	3	4
Plymouth County,	. .	1	1
Bristol County,	1	. .	1
Barnstable County,	. .	1	1
Hampshire County,	. .	2	2
Dukes County,	. .	1	1
Nantucket,	. .	1	1
Maine,	. .	1	1
New Hampshire,	2	2	4
Vermont,	2	. .	2
Rhode Island,	1	. .	1
New York,	. .	1	1
Missouri,	1	. .	1
Nova Scotia,	. .	1	1
Argentine Republic,	1	. .	1
Total of *cases*,	32	43	75
Total of *persons*,	31	43	74

TABLE No. 7.

CIVIL CONDITIONS OF PERSONS ADMITTED.

Number of the Admission.	Unmarried.			Married.			Widowed.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First,	8	14	22	12	15	27	2	4	6
Second,	2	4	6	3	3	6	1	1	2
Third,	1	1	2	2	. .	2	. .	. .	. .
Fourth,	. .	. .	. .	. .	. .	. .	. .	1	1
Twenty-third,	1	. .	1	. .	. .	. .	. .	. .	. .
Total *cases*,	12	19	31	17	18	35	3	6	9
Total *persons*,	12	19	31	16	18	34	3	6	9

TABLE No. 8.

OCCUPATIONS OF PERSONS ADMITTED.

Occupations.	Males.	Females.	Total.
Housewife,	. .	19	19
Clerk,	1	2	3
Manufacturer,	1	. .	1
Merchant,	6	. .	6
Farmer,	1	. .	1
Student,	. .	1	1
Teacher,	1	3	4
Lawyer,	1	. .	1
Clergyman,	1	. .	1
Civil Engineer,	1	. .	1
Editor,	1	. .	1
Mechanic,	4	. .	4
Watch-maker,	1	. .	1
Conductor,	1	. .	1
Carpenter,	1	. .	1
Car-driver,	1	. .	1
Librarian,	. .	1	1
Botanist,	1	. .	1
Liquor-dealer,	1	. .	1
Nurse,	. .	1	1
Dressmaker,	. .	1	1
Servant,	. .	1	1
No occupation,	7	14	21
Total of *persons*,	31	43	74

TABLE No. 9.

REPORTED DURATION OF INSANITY BEFORE LAST ADMISSION.

Previous Duration.	First Admission to any Hospital.			All other Admissions.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	. .	. .	. .	. .	. .	. .	. .	. .	. .
Under 1 mo.,	4	14	18	3	3	6	7	17	24
Fr. 1 to 3 mo.,	7	4	11	. .	. .	. .	7	4	11
" 3 " 6 "	2	7	9	1	3	4	3	10	13
" 6 " 12 "	4	5	9	4	. .	4	8	5	13
" 1 " 2 yrs.,	3	1	4	. .	1	1	3	2	5
" 2 " 5 "	. .	1	1	1	1	2	1	2	3
" 5 " 10 "	. .	1	1	2	. .	2	2	1	3
"10 " 20 "	1	. .	1	. .	1	1	1	1	2
"20 " 30 "	. .	. .	. .	. .	1	1	. .	1	1
Total *cases*,	21	33	54	11	10	21	32	43	75
Total *persons*,	. .	. .	. .	10	10	20	31	43	74
Average of known persons (in years),	.89	.50	.65	1.62	1.41	1.50			

TABLE No. 10.

FORM OF DISEASE IN THE CASES ADMITTED.

Form of Disease.	Males.	Females.	Total.
Mania, acute,	6	14	20
Mania, chronic,	2	6	8
Mania, hysterical,	. .	3	3
Mania, puerperal,	. .	1	1
Folie-du-doute,	. .	1	1
Hysteria,	1	. .	1
Epilepsy,	1	. .	1
Melancholia, acute,	8	14	22
Melancholia, chronic,	2	2	4
Melancholia, puerperal,	. .	1	1
Dementia, chronic,	2	1	3
Dementia, senile,	1	. .	1
General Paralysis,	9	. .	9
Total of *cases*,	32	43	75
Total of *persons*,	31	43	74

TABLE No. 11.

ALLEGED CAUSES OF INSANITY IN PERSONS ADMITTED.

Causes.	Males.	Females.	Total.
Mental.			
Grief,	1	2	3
Anxiety,	6	5	11
Shock,	. .	1	1
Disappointment,	1	1	2
Religious excitement,	1	1	2
Physical.			
Ill-health,	1	7	8
Sunstroke,	3	. .	3
Overwork,	2	3	5
Constitutional,	6	1	7
Change of life,	. .	4	4
Childbirth,	. .	4	4
Intemperance,	2	. .	2
Hysteria,	. .	1	1
Spinal sclerosis,	1	. .	1
Old age,	1	. .	1
Opium,	. .	1	1
Tobacco,	1	. .	1
Unknown,	6	12	18
Total of *cases*,	32	43	75
Total of *persons*,	31	43	74

TABLE No. 12.

RELATION TO HOSPITALS OF THE PERSONS ADMITTED.

	Males.	Females.	Total.
Never before in any Hospital,	21	33	54
Former inmates of this Hospital,	5	7	12
Former inmates of other Hospitals in this State: —			
South Boston,	1	1	2
Private Asylum,	2	. .	2
Former inmates of Hospitals in other States,	2	1	3
Former inmates of this Hospital and of other Hospitals in this State: —			
Northampton,	. .	1	1
Former inmates of this Hospital and of Hospitals in other States,	1	. .	1
Total of *cases*,	32	43	75
Total of *persons*,	31	43	74

TABLE No. 13.

DISCHARGES CLASSIFIED BY ADMISSION AND RESULT.

Admission.	Recovered.			Much Improved.			Improved.			Unimproved.			Died.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, ...	3	15	18	5	3	8	1	8	9	6	5	11	7	7	14	22	38	60
Second, ...	. .	2	2	. .	1	1	1	. .	1	2	1	3	1	. .	1	4	4	8
Third, ...	2	1	3	. .	. .	. .	1	. .	1	. .	1	1	. .	. .	. .	3	2	5
Fourth, ...	. .	1	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	. .	1	1	1	2
Fifth, ...	1	. .	1	. .	. .	. .	. .	1	1	. .	. .	. .	. .	1	1	1	1	2
Twenty-third, ...	1	. .	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	. .	1
Total of *cases*, . . .	7	19	26	5	4	9	3	8	11	8	7	15	9	8	17	32	46	78
Total of *persons*, . .	7	18	25	5	4	9	3	8	11	8	7	15	9	8	17	32	45	77

TABLE No. 14.

CASES DISCHARGED RECOVERED.—DURATION.

Period.	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 mo.,	4	7	11	. .	. .	. .	. .	. .	. .
Fr. 1 to 3 mo.,	2	7	9	2	4	6	1	. .	1
" 3 " 6 "	. .	3	3	4	7	11	3	2	5
" 6 " 12 "	1	1	2	1	4	5	2	12	14
" 1 " 2 yrs.	. .	1	1	. .	3	3	1	2	3
" 2 " 5 "	. .	. .	. .	. .	1	1	. .	3	3
Total *cases*,	7	19	26	7	19	26	7	19	26
Total *persons*,	7	18	25	7	18	25	7	18	25
Average of known cases (in months),	1.63	2.31	2.13	3.50	8.10	6.86	6.56	11.74	10.34

TABLE No. 15.

CASES RESULTING IN DEATH.—DURATION.

Period.	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 mo., . .	1	3	4	1	. .	1	. .	. .	. .
From 1 to 3 mo.,	1	1	2	. .	. .	. .	1	. .	1
" 3 " 6 "	1	. .	1	1	1	2	. .	. .	. .
" 6 " 12 "	2	. .	2	3	. .	3	4	. .	4
" 1 " 2 yrs.,	. .	2	2	1	. .	1	. .	. .	. .
" 2 " 5 "	1	1	2	2	3	5	1	1	2
" 5 " 10 "	2	1	3	. .	2	2	. .	6	6
" 10 " 15 "	1	. .	1	. .	1	1	2	1	3
" 15 " 20 "	. .	. .	. .	. .	1	1	. .	. .	. .
" 20 " 25 "	. .	. .	. .	1	. .	1	. .	. .	. .
" 30 " 35 "	. .	. .	. .	. .	. .	. .	1	. .	1
Total, ...	9	8	17	9	8	17	9	8	17
Average of known cases (in months),	39.92	19.08	30.11	47.91	83.37	64.60	87.82	102.45	94.71

TABLE No. 16.

CASES DISCHARGED BY RECOVERY OR DEATH.

Form of Insanity.	Recoveries.			Deaths.		
	Males.	Females.	Total.	Males.	Females.	Total.
Mania, acute,	4	10	14	1	..	1
Mania, chronic,	..	..	..	1	3	4
Mania, hysterical,	..	1	1	..	..	..
Hebephrenia,	1	..	1	..	..	..
Hysteria,	1	..	1	..	..	..
Melancholia, acute,	1	7	8	1	..	1
Melancholia, puerperal,	..	1	1	..	..	..
Dementia, senile,	..	..	..	..	1	1
Dementia, chronic,	..	..	..	..	3	3
General Paralysis,	..	..	..	5	..	5
Epilepsy,	..	..	..	1	..	1
Neurasthenia,	..	..	..	..	1	1
Total of *cases*,	7	19	26	9	8	17
Total of *persons*,	7	18	25	9	8	17

TABLE No. 17.

CAUSES OF DEATH.

Causes.	Males.	Females.	Total.
Cerebral Disease.			
General Paralysis,	5	..	5
Exhaustion from Mania,	1	..	1
Exhaustion from Melancholia,	1	..	1
Exhaustion from Epilepsy,	1	..	1
Other Causes.			
Pneumonia,	1	..	1
Apoplexy,	..	1	1
Chronic Interstitial Nephritis,	..	2	2
Phthisis Pulmonalis,	..	1	1
Diabetes Mellitus,	..	1	1
Cancer of Breast,	..	2	2
Neurasthenia,	..	1	1
Totals,	9	8	17

TABLE No. 18.

RECOVERIES, CLASSIFIED BY RESULTS OF PREVIOUS ADMISSIONS.*

Number of the Admission.	Recovered.			Much Improved.			Not Improved.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Second,	..	2	2	..	..	..	1	..	1	1	2	3
Third,	1	1	2	..	..	..	..	..	..	1	1	2
Fourth,	..	1	1	..	..	..	..	..	..	..	1	1
Fifth,	1	..	1	..	..	..	..	..	..	1	..	1
Twenty-third,	1	..	1	..	..	..	..	..	..	1	..	1
Total of *cases*,	3	4	7	..	..	..	1	..	1	4	4	8
Total of *persons*,	3	3	6	..	..	..	..	..	..	4	3	7

* This classification is based upon the result of the admission next preceding the last, in each case respectively.

TABLE No. 19.

DEATHS, CLASSIFIED BY DURATION OF INSANITY AND OF TREATMENT.

Period.	Duration of Insanity.			Whole known period of Hospital Residence.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital,	..	..	..	..	..	..
Under 1 month,	..	..	..	1	..	1
From 1 to 3 months,	1	..	1	..	..	..
" 3 " 6 "	..	..	..	1	1	2
" 6 " 12 "	2	..	2	2	..	2
" 1 " 2 years,	1	..	1	2	..	2
" 2 " 5 "	1	2	3	1	1	2
" 5 " 10 "	1	4	5	..	4	4
" 10 " 20 "	2	1	3	1	1	2
" 20 " 30 "	..	..	..	1	1	2
" 30 " 40 "	1	1	2	..	..	..
Total,	9	8	17	9	8	17
Average of known *cases* (in months),	93.08	124.56	102.01	49.14	106.25	76.02

TABLE No. 20.

AGES OF THOSE WHO DIED.

Ages.	At time of the first Attack.			At time of Death.		
	Males.	Females.	Total.	Males.	Females.	Total.
From 15 to 20 years,	1	. .	1	. .	. .	. .
" 20 " 25 "	1	2	3	. .	. .	. .
" 25 " 30 "	2	. .	2	1	. .	1
" 30 " 35 "	1	. .	1	2	2	4
" 35 " 40 "	1	1	2	1	. .	1
" 40 " 45 "	1	1	2	2	. . .	2
" 45 " 50 "	1	. .	1	1	1	2
" 50 " 60 "	1	2	3	1	. .	1
" 60 " 70 "	. .	1	1	1	2	3
" 70 " 80 "	. .	. .	. .	. .	2	2
" 80 " 90 "	. .	1	1	. .	. .	. .
" 90 "100 "	. .	. .	. .	. .	1	1
Total, ...	9	8	17	9	8	17

TABLE No. 21.

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS AT THE McLEAN ASYLUM.

FROM ITS OPENING, OCT. 6, 1818, TO DEC. 31, 1887, INCLUSIVE.

Years.	Admitted.	Discharged.	Who were under care.	Died.	Much improved, etc.	Recov'd.	Remaining at end of year	Average No. of Patients.
1818–25	398	344	623	29	295	110	279	..
1826	47	46	101	5	21	20	55	..
1827	58	56	113	5	17	34	57	..
1828	77	65	134	5	37	23	69	..
1829	73	77	142	9	42	26	65	..
1830	82	78	147	10	34	34	69	..
1831	83	84	152	8	46	30	68	..
1832	94	98	162	10	45	43	64	..
1833	103	100	167	8	50	42	67	..
1834	108	95	174	7	47	41	80	..
1835	83	84	163	11	28	45	77	..
1836	106	112	183	10	38	64	71	..
1837	120	105	191	8	25	72	86	80
1838	138	131	224	12	45	74	93	95
1839	132	117	225	10	38	69	108	112
1840	155	138	263	13	50	75	125	128
1841	157	141	283	11	55	75	142	135
1842	129	138	271	15	43	80	133	143
1843	126	126	260	18	45	63	134	131
1844	158	140	292	20	52	68	152	146
1845	119	120	271	13	33	74	151	149
1846	148	126	299	9	52	65	173	164
1847	170	170	343	33	50	87	173	172
1848	143	155	316	23	50	82	155	171
1849	160	137	321	15	58	64	184	177
1850	173	157	357	28	51	78	200	201
1851	164	173	364	29	69	75	191	195
1852	145	135	336	15	48	72	201	200
1853	114	120	315	17	45	58	195	194
1854	120	120	315	16	45	59	195	195
1855	123	126	318	24	46	56	192	192
1856	149	145	341	19	58	68	196	195
1857	141	159	337	28	60	71	178	191
1858	155	147	333	25	50	72	186	187
1859	131	142	317	28	53	61	175	185
1860	121	109	296	24	46	39	187	185
1861	111	110	298	23	33	54	188	193
1862	82	94	270	18	37	39	176	190
1863	94	69	270	13	20	36	201	191
1864	101	107	302	27	38	42	195	200
1865	82	85	277	17	33	35	192	186
1866	103	98	295	29	23	46	197	197
1867	89	108	286	27	36	45	178	186
1868	92	94	270	23	37	34	176	166
1869	108	100	284	18	31	51	184	187
1870	79	85	263	12	40	33	178	187
1871	75	81	253	13	47	21	172	178
1872	93	101	265	23	63	15	164	173
1873	92	95	256	13	63	19	161	165
1874	75	88	236	10	58	20	148	159
1875	85	83	233	16	51	16	150	156
1876	92	74	242	20	36	18	168	160
1877	110	103	278	20	68	15	175	175
1878	63	84	238	12	66	6	154	168
1879	76	79	230	12	48	19	151	157
1880	51	48	202	6	30	12	154	152
1881	66	65	220	14	37	14	155	150
1882	82	70	237	8	36	26	167	156
1883	109	111	276	17	57	37	165	164
1884	113	103	278	17	52	34	175	166
1885	95	100	270	17	46	37	170	171
1886	93	96	263	14	46	36	167	169
1887	75	78	242	17	35	26	164	160
	7,089	6,925		1,026	2,944	2,955		

TABLE No. 22.

TABLE OF APPLICATIONS, ADMISSIONS, ETC., FOR TWENTY-THREE YEARS,—1864-1887.

Years.	Applications.		Admissions.		American.		Foreign.		Not Admitted.	Discharged, cured, relieved, or improved.		Percentage of same on Admissions.		Died.		Accid'ts.	Whole number under care in the year.		Number of free patients.	Paying all the time.	Paying part of the time.	Greatest total number at any time.		Least total at any time.		Average.		Greatest number at any one time of Free or Paying at Hospital.		Average time in weeks Paying and Free at Hospital.		Out-patients.
	Hospital.	Hospi al.		Asylum.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.		Hospital.	Asylum.	Hospital.		Hospi	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.	Free.	Paying.	Paying.	Free.	Hospital.
1864	1932	1599	101	654	99	945	2	333	1306	80	8.168	79.1	130	27	242	1749	302	1388	350	11	157	208	110	192	138	200	139	33	3.2	4.4	5619	
1865	1430	1199	82	571	80	628	2	231	997	68	8.315	82.9	104	17	140	1347	277	687	592	68	164	195	88	181	113	186	137	72	3.7	4.8	5356	
1866	1328	1120	103	542	100	587	3	208	109	69	81.17	66.9	96	29	132	1224	295	556	623	45	109	203	78	192	95	197	62	58	3.4	5.1	5608	
1867	1419	1206	89	558	88	648	1	213	958	81	79.43	91	94	27	113	1301	286	676	601	24	126	200	72	172	104	186	77	62	3.4	4.3	4553	
1868	1474	1265	92	604	92	661	0	209	1015	71	80.03	77.1	85	23	98	1373	218	840	502	31	132	181	69	160	102	166	97	56	3.0	3.5	5264	
1869	1633	1390	108	681	108	709	0	243	1123	82	80.03	75.9	107	18	93	1217	284	930	563	24	139	196	90	177	118	187	98	55	3.4	4.3	6953	
1870	1706	1302	79	584	76	718	3	404	1083	73	83.20	92.4	85	12	140	1427	342	958	439	30	137	195	98	181	120	187	106	45	3.4	4.8	8767	
1871	1781	1427	75	649	75	778	0	354	1143	52	80.09	69.3	109	13	178	1537	253	1056	456	25	154	187	91	167	122	178	126	43	3.1	3.9	9792	
1872	1815	1547	93	665	88	882	5	268	1271	52	82.15	55.9	120	23	259	1701	265	1289	396	16	160	179	97	163	135	173	133	42	3 1	4.3	11878	
1873	1958	1550	92	640	85	910	7	408	1201	64	77.48	69.5	186	13	291	1700	256	1195	441	64	187	171	129	158	156	165	156	44	3 3	6.0	13517	
1874	2153	1639	75	713	68	926	7	514	1342	54	81.88	72	127	10	234	1800	236	1251	394	120	183	167	111	144	149	159	146	41	2 7	5.6	15612	
1875	2357	1841	85	799	72	1022	13	516	1412	57	76.70	67	189	16	285	1989	233	1565	336	88	199	165	132	145	166	156	176	31	2.8	5.2	16993	
1876	2560	1906	92	930	82	1006	10	654	1621	45	85.04	48.9	150	20	245	2096	242	1696	308	92	210	173	163	148	185	160	182	36	3.2	5.7	17292	
1877	2131	1657	110	863	103	794	7	474	1 39	57	80 80	51.8	130	20	147	1847	278	1270	339	48	194	184	135	168	164	175	178	33	2.8	5.5	18004	
1878	2275	1794	63	946	58	848	5	481	1461	45	81 43	71.4	134	12	200	1950	238	1578	334	38	187	182	132	154	165	168	170	34	2.8	5.2	18744	
1879	2310	1813	76	979	63	834	13	497	1462	46	80.63	60.5	143	12	222	1971	230	1577	352	42	188	164	131	150	163	157	165	30	2.8	5.1	18960	
1880	2701	2123	51	1117	46	1006	5	578	1731	32	81.53	62.7	151	6	351	2284	202	1864	371	45	188	159	156	146	170	152	165	35	2.5	4.5	20566	
1881	2786	2106	66	1074	57	1032	9	680	1853	37	82.19	56	189	14	391	2270	220	1835	419	26	195	161	139	147	166	150	168	39	2.79	4.41	18443	
1882	2587	2147	82	1127	73	1020	9	440	1775	47	87.83	57.3	177	8	348	2302	237	1876	399	12	195	166	143	149	168	156	167	35	2.84	4.41	16304	
1883	2460	2020	109	1035	93	985	16	440	1664	63	82.33	53 8	181	17	432	2185	276	1633	473	79	189	171	143	151	168	164	168		2.75	4.80	*7102	
1884	2494	2096	113	1043	95	1053	18	398	1685	57	80.39	59.4	191	17	397	2310	278	1815	448	47	186	175	129	154	165	166	159	40	3	4.14	14824	
1885	2636	2327	95	1178	84	1149	11	299	1945	62	85.38	65.3	192	17	443	2472	270	2044	382	46	184	185	147	159	167	171	166	26	2 38	4.08	17016	
1886	2686	2580	93	1313	85	1267	8	106	2100	68	81.39	73.1	192	14	471	2756	263	2283	409	64	206	191	133	167	173	169	178	30	2.78	3.72	17925	
1887	2876	2814	75	1376	66	1438	9	62	2259	46	80.24	61 3	245	17	490	3015	242	2523	429	45	217	176	150	157	185	160	196	40	2.90	3.57	18981	

*Out-patient Department open only five months.

TABLE No. 23.

TABLE SHOWING THE COST OF PRINCIPAL STORES AT McLEAN ASYLUM.

Articles.	1884.			1885.			1886.			1887.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, ... lbs.,	69,313	$9,573.72	.1381	71,169	$9,350.98	.1313	72,269	$9,377.03	.1298	76,333	$8,762.60	.1136
Mutton and Lamb, "	22,221	2,154.00	.0969	26,865	2,288.99	.0852	27,142	2,614.26	.0962	28,694	2,574.84	.0897
Veal, ... "	11,916	1,319.68	.1107	11,747	1,218.43	.1037	14,977	1,590.73	.1062	10,799	1,162.19	.1076
Poultry, ... "	12,806	2,753.43	.215	14,300	2,716.52	.189	15,453	2,674.98	.172	15,565	2,802.43	.180
Ham, etc., . . . "	11,220	1,480.33	.131	13,105	1,358.58	.103	13,292	1,460.57	.109	13,093	1,512.56	.115
Eggs, ... doz.,	10,579	2,590.78	.244	11,046	2,402.08	.216	11,193	2,339.44	.209	10,888	2,258.75	.207
Lard, ... lbs.,	2,045	201.10	.098	1,724	144.26	.083	1,471	114.26	.077	2,015	169.56	.084
Flour, ... bbls.,	541	3,531.57	6.527	528	2,901.42	5.49	512	2,728.73	5.32	530	2,728.62	5.13
Butter, ... lbs.,	20,991	5,497.28	.261	22,738	5,014.07	.220	20,931	4,659.73	.222	21,320	4,756.39	.223
Coffee, ... "	2,904	720.65	.248	3,162	714.18	.234	3,336	691.16	.207	3,361	822.04	.244
Tea, ... "	1,215	403.02	.331	1,286	433.42	.337	1,188	389.00	.327	1,264	394.08	.311
Sugar, ... "	28,351	1,951.19	.068	29,404	1,891.91	.064	28,996	1,824.45	.063	28,373	1,712.08	.060
Lights, Gas, etc., feet,		3,461.92			2,978.91			2,693.02			2,957.27	
Coal, ... tons,	$1,434\frac{1333}{2000}$	7,786.65	5.427	$1,190\frac{530}{2000}$	6,297.49	5.29	$1,328\frac{555}{2000}$	7,087.31	5.34	$1,332\frac{1013}{2000}$	7,145.92	5.36
Wood, ... cords,				$10\frac{1}{2}$	70.88	6.75	20	140.00	7.00	$10\frac{1}{2}$	84.00	8.00
Ice, ... tons,	$480\frac{1800}{2000}$	930.62	1.911	$426\frac{500}{2000}$	955.49	2.241	$473\frac{500}{2000}$	1,088.56	2.30	$554\frac{1300}{2000}$	1,275.66	2.10

MASSACHUSETTS GENERAL HOSPITAL.

McLEAN ASYLUM TRAINING SCHOOL FOR NURSES.

THE Trustees of the Massachusetts General Hospital having established, at the McLean Asylum for the Insane, a school for nurses, offer to give to men and women desirous of becoming professional nurses a two years' course of training in general nursing, with special reference to the care of cases of nervous and mental disease.

Those wishing to receive such a course of instruction must apply to the Superintendent of the McLean Asylum, Somerville, Mass.

The most desirable age for candidates is from twenty-one to thirty-five years. They must be in sound health, and must send with their application a certificate from a physician certifying to the fact; also, one from some responsible person as to their good character and good health. Upon the recommendation of the Superintendent of the Asylum and the approval of the Trustees, they will be received for two months on probation.

The Superintendent of Nurses has charge of the Training School, under the authority of the Superintendent of the Asylum and of the Board of Trustees; and the nurses are subject to the rules of the Asylum. Their fitness for the work and the propriety of retaining or dismissing them at the end of the two months of trial are determined by the authorities in charge of the School, under the direction of the Trustees; and the same authorities can

in like manner discharge them at any time in case of misconduct or inefficiency. They reside in the Asylum, and serve as assistant nurses in its wards.

All nurses are required to be sober, honest, truthful, trustworthy, punctual, quiet, orderly, cleanly, neat, patient, kind, and cheerful.

The instruction includes the general care of the sick; the managing of helpless patients in bed, in moving, changing bed and body linen, making of beds, etc.; giving baths, keeping patients warm or cool, preventing and dressing bed sores; bandaging, applying of fomentations, poultices, and minor dressings; the preparing and serving of food, the feeding of helpless patients and those who refuse food; the administering of enemas and use of the catheter; attendance upon patients requiring diversion and companionship; the observation of mental symptoms, delusions, hallucinations, delirium, stupor, etc., and the care of excited, violent, and suicidal patients.

They are also given instruction in the best practical methods of supplying fresh air, warming and ventilating sick-rooms in a proper manner, and are taught to take proper care of rooms and wards, in keeping all utensils perfectly clean and disinfected, etc.; to observe the sick accurately in regard to the state of the secretions, pulse, breathing, skin, temperature, sleep, appetite, effect of diet, of stimulants, and medicine; and the managing of convalescents.

The instruction is given mainly by the Superintendent of the Training School, and by the Supervisors and Head Nurses. Lectures and demonstrations will be given, at stated periods, by the Asylum Medical Staff. Examinations, chiefly upon practical points, take place from time to time.

The pupils are employed as assistant nurses in the wards of the Asylum. Women will be paid twelve

dollars ($12) per month during the first year, and fifteen dollars ($15) per month during the second year, for their clothing and personal expenses. Men will be paid twenty-three dollars ($23) per month during the first year, and twenty-five dollars ($25) per month during the second year. Their education during this time is considered as compensation for their services. Women graduates will be paid twenty-five dollars ($25) per month; men graduates, twenty-seven dollars ($27) and thirty dollars ($30) per month, according to length of service.

The men and women are required to wear at all times, while on duty in the wards, the asylum uniform.

When the full term of two years is completed, the nurses thus trained receive (after final examinations) diplomas certifying to their period of training, their proficiency and good character.

The right is reserved to terminate the connection of any nurse or pupil with the School, for any reason which may be deemed sufficient.

A graduate of this School, who wishes to have additional practical experience and instruction in general nursing, has the privilege, under certain restrictions, of entering the Boston Training School for Nurses at the Massachusetts General Hospital. Such graduates will, after one year's satisfactory study, receive the diploma from that School, in addition to the diploma received from the McLean Asylum Training School.

N.B.— This paper to be filled in (in the Candidate's own handwriting), and sent to the Superintendent of McLean Asylum, Somerville, Mass.

QUESTIONS TO BE ANSWERED BY CANDIDATE.

1. Christian name in full of Candidate.
2. Are you single, widow, or widower?
3. Your present occupation or employment?
4. Age last birthday, and date and place of birth?
5. Height? Weight?
6. In what school or schools educated? and in what place?
7. Are you strong and healthy? and have you always been so?
8. Are your sight and hearing perfect?
9. Have you any physical defects?
10. Have you any tendency to pulmonary complaint?
11. If a widow or widower, have you children? How many? Their ages? How are they provided for?
12. Are you otherwise free from domestic responsibility, so that you are not liable to be called away?
13. Where (if any) was your last situation, and how long were you in it?
14. Have you ever been in any Training School or employed in any hospital or asylum? If so, where and how long in each place?
15. The names in full and addresses of two persons not of your own kindred, to be referred to. State how long each has known you. If previously employed, one of these must be the last employer.

 Name, ...
 Address, ...
 has known me years.

 Name, ...
 Address, ...
 has known me years.

Having read, and clearly understanding and agreeing to the foregoing conditions and regulations, I declare the above statement to be correct.

Signed, ...
Candidate.

Present Address, ...

Date, ... 188

PATHOLOGICAL REPORT.

EXAMINATIONS BY W. W. GANNETT, M.D., PATHOLOGIST.

CASE I.—Cerebral Syphilis. Three years duration. Confusion of ideas; loss of memory; considerable dementia; right hemiplegia; coma. Death in thirty-six hours. Male, aged thirty-five.

Diagnosis: Syphilitic (gummatous) leptomeningitis; multiple gummata of the brain developing from the pia; slight degree of chronic granular ependymitis; venous engorgement of the lungs, with hemorrhages; venous engorgement of the kidneys; syphilitic orchitis and periorchitis; chronic interstitial hepatitis.

Autopsy twelve hours after death. Body of medium size, well developed, well nourished. Marked lividity of dependent parts. Rigor mortis present. Yellowish tint about face, neck, and shoulders. Just below right knee, dry, dark brown patches. Calvaria of usual thickness; diploë contained considerable blood. Dura thickened and opaque in patches along course of the longitudinal sinus; yellowish tint present; superior longitudinal sinus contained dark fluid blood and few soft dark coagula; inner surface smooth and shining. Convolutions somewhat flattened. Weight of brain, 1,545 grms. Pia rather dry, showing over the convexities a slight degree of milky opacity along the course of the vessels running in the fissures. In the pia, on the right side, just posterior to the fissure of Rolando and laterally, was a circumscribed yellow patch, about 1 cm. in diameter, somewhat depressed below the level of the surrounding surface. On section, its position was found to correspond to a sulcus; it showed a pyramidal shape, apex downward. Consistency in general was quite firm, almost cartilage-like. The centre was yellow and opaque; periphery gray and translucent. In the longitudinal fissure in the convolutions of the

frontal lobes, right side, were a circumscribed yellow nodule, like that already described, and a long, narrow yellowish nodule, about 2 cm. in length, representing an infiltration of the meshes of the pia with a similar material. On the opposite side of the fissure, left frontal lobe, was another similar nodule. The pia at the base, covering the pons, the optic chiasma, and posterior portions of the frontal lobes, was much thickened and of an opaque, grayish-yellow color, of a density resembling that of cartilage. On vertical section the pia was found to be infiltrated with a grayish-yellow, opaque, dense material surrounding the blood-vessels, the walls of which were notably thickened. The pia in the fissures of Sylvius was similarly thickened; and projecting from it into the brain substance were several well-marked nodules about the size of large peas, which were dense, and showed on section an opaque-yellow, firm, central portion and a narrow periphery of a gray, translucent material. Ependyma of the lateral and fourth ventricles showed a very slight granular appearance. Section through the gray cortex, the white matter as well as the basal ganglia, pons, medulla, and cerebellum, showed no appearances worthy of note. Pia, in general, readily separable from the brain substance. Other pathological conditions as described in the diagnosis.

Microscopic examination. Pia showed a considerable increase both in the number of round cells and in the amount of dense connective tissue. Cortex: the outer portion of the first layer of the cortex showed a fairly well-marked, finely-fibrous meshwork; the other layers of the cortex not remarkable. The vessels of the cortex showed a slight degree of round-cell infiltration of adventitia. The nodules showed the characteristic structure of gummata.

Case II.— Paralytic Insanity. Seven years duration. Loss of memory; unsteady gait; impaired speech; irritability; inequality of pupils; exaggerated tendon reflex; epileptiform seizures; nausea and vomiting; conjugate deviation of eyes to left; paralysis more marked on right side; coma; death. Male, aged fifty-seven.

Diagnosis: Slight degree of circumscribed leptomeningitis; dilatation of the lateral ventricles; chronic granular ependymitis; nodules of softening (cavities) in various portions of

ganglia described ; new growth involving areas as described ; chronic adhesive pleurisy ; emphysema of lungs ; cicatrices of kidneys ; embolic infarctions ; circumscribed catarrhal cystitis ; acute catarrhal colitis ; chronic endaortitis.

Autopsy twenty-five hours after death. Body medium size, well developed and fairly well nourished. Lividity of dependent portions. Rigor mortis present. Nothing unusual noticed about external surface of calvaria ; skull mesocephalic ; calvaria thin. Dura everywhere translucent ; sinuses contained small amount of partly clotted blood. The pia along the course of the vessels and sulci showed a slight degree of milky opacity ; elsewhere, pia was thin, delicate, and contained the usual amount of blood. Along the longitudinal fissure, the meshes of the pia contained a small amount of clear thin fluid. The convolutions well marked ; sulci narrow. Brain filled the cavity of skull ; weight, 1,304 grms. The vessels of the base and fissure of Sylvius everywhere thin and delicate, except two small, opaque nodules in the wall of the basilar artery, not diminishing, however, the lumen of the vessel. Pia at base was everywhere thin and delicate. Lateral ventricles contained each about 40 cc. of clear fluid ; ependyma markedly granular and warty throughout ; also third and fourth ventricles ; choroid plexus and velum interpositum contained the usual amount of blood.

Brain substance, in general, quite firm ; cortex of usual thickness, and rather more yellowish than usual ; white matter of good color ; puncta cruenta well marked ; opening of vessels rather larger than usual. In the floor of the right lateral ventricle, at about the middle of the nucleus caudatus, was a depression about 15 mm. in diameter and 2 mm. in depth. Section of basal ganglia showed the following appearances : In the outer posterior portion of the left thalamus opticus, bordering on the internal capsule, was a slit-like cavity, about 12 mm. long and 2 mm. in diameter ; its walls rather ragged and of slightly yellowish tint. In the inferior posterior part of thalamus opticus, and extending into the corpora quadrigemina, nearly obliterating the inner capsule at this point, and extending into the left crus cerebri, was a nodule the size of a large filbert, about the consistency of brain substance, with a grayish nucleus the size of a large pea, surrounded by a grayish-red, almost gelatinous, very

vascular periphery. Corresponding to the depression above mentioned, in the floor of the right ventricle was a cavity the size of a filbert, involving the inner portion of the nucleus caudatus, the whole of the inner capsule at that point, and extending into the inner segment of the right nuc eus lentiformis. The edges were irregular and of slightly yellowish tint. In the posterior part of the right nucleus lentiformis was a horizontal, slit-like opening, measuring about 15 mm. laterally, 8 mm. antero-posteriorly, 4 mm. vertically. The pons, medulla, and cerebellum showed no appearances worthy of special note. The pia everywhere separable from brain substance. The cord showed in gross nothing abnormal. The pathology of other organs as described in diagnosis.

Microscopic examination after hardening. Brain and cord were quite friable, so that the sections could not be made so thin as was desirable. Failed to show anything abnormal beyond a moderate degree of round-cell infiltration of the adventitia of the arteries. The soft areas were areas of softening.

Case III.— Melancholia. Four months duration. Suicidal attempt with revolver (calibre 32), bullet entering just above right auditory meatus, and passing beneath temporal muscle, from which it was extracted. Death two and a half months after injury. Male, aged fifty-seven.

Diagnosis: Suppurative inflammation of pericranial tissues near the right ear; perforating wound of skull; comminuted fracture of the squamous and petrous portions of right temporal bone, with displacement of fragments; exfoliation of bone; external and internal pachymeningitis, acute; hemorrhage beneath dura, with partial organization; abscess of brain; yellow softening of brain; hemorrhage into brain substance; chronic adhesive pleurisy; hemorrhages into lung; acute purulent bronchitis, with broncho-pneumonia; cysts of kidney; chronic aortitis.

Autopsy fifteen hours after death. Body large, well developed and nourished. Rigor mortis present. Ratio of head to body and of cranium to face apparently normal; antero-posterior diameter, 18.8 cm.; transverse, 13.9 cm. From the right ear, thin, foul puriform fluid exuded. On removal of scalp, the pericranial tissues just behind the right ear, about

1 cm. below its upper border, were found to be discolored bluish-black over an area 2 cm. square, from the centre of which numerous small granules of lead were removed. The temporal muscles showed a similar bluish discoloration. In the middle of right temporal bone was a depressed comminuted fracture, measuring 25 x 30 mm., some portions near the centre being loose, those on periphery being, for the most part, adherent to the surrounding bone. Around the edge of fracture, several minute bits of lead were embedded. On the inner surface, the outer portion of petrous portion of the temporal bone showed a series of comminuted fractures, with elevation of fragments. About 1 cm. from the vertical portion was an opening in the petrous portion, which connected both with the meatus and with a fistulous track lying just above meatus. Calvaria showed no noteworthy appearances; freely separated from the dura. The dura on the right side showed numerous bluish-black patches; on the inner surface, on the right side, were numerous dark patches, elevated above the surface about 1 mm., which could not be washed or scraped off. The pia over convexity of the right hemisphere had a slightly yellowish tint, and on pressure this half of the brain fluctuated. Upon removal of the brain, it was found that the dura was intimately adherent to the pia over the seat of fracture in the right temporal bone, already described. Just beneath this adherent portion of dura in the temporal lobe were two cavities, one the size of a large English walnut, with sharply marked, smooth walls of connective tissue, about 1 mm. thick, just to the outside of which could be seen brain substance showing nothing abnormal beyond a series of small, dark red points following the course of this wall. The other cavity was about the size of a plum, its contents consisting of softened brain substance. To the outside of this cavity, for a distance of nearly 2 cm. in all directions, the brain substance was softened, moist, of a pale yellow color, resembling baked custard. Above and to the inside of these two cavities was one of irregular shape, nearly as large as a peach, situated in the white matter of the temporal, lower parietal, and anterior occipital lobes, also involving the whole of the posterior third of the nucleus lentiformis and a portion of the contiguous inner capsule. This cavity contained dark red, rather soft

blood-clots, the brain substance surrounding it being softened, of a gray color, and with abundant punctate hemorrhages. The remaining portions of brain substance were quite firm, and showed nothing remarkable. The sinuses in the dura were everywhere free. Other organs were as specified in the diagnosis.

Case IV.—General Paralysis. Duration, five years. Change of character; delusions of persecution; dementia. Death from exhaustion. Male, aged thirty-seven.

Diagnosis: Œdema of the pia; chronic granular ependymitis; chronic meningo-encephalitis; chronic vesicular emphysema; cloudy swelling of the kidneys to a slight degree.

Autopsy twenty-nine hours after death. Body below medium size, fairly well developed, considerably emaciated. Slight lividity of dependent portions. Rigor mortis present. Ratio of head to body and of cranium to face apparently normal. Calvaria of usual thickness, showing nothing remarkable, readily separated from the dura. The dura everywhere translucent; inner surface smooth and shining; sinuses contained dark soft coagula. Meshes of pia contained a small amount of thin, clear fluid. Convolutions of good form, slightly diminished in size; sulci somewhat larger than usual. Veins of pia moderately injected. Brain nearly filled cavity of skull, and weighed 1,209 grms.; escape of considerable clear fluid on its removal. Vessels at base and in fissure of Sylvius everywhere thin-walled, delicate. Lateral ventricles contained each about 20 cc. clear fluid; ependyma of lateral, third, and fourth ventricles thickened, granular, and warty. Section of hemispheres showed cortex, in general, of the usual thickness; somewhat paler than normal; white matter pale, rather moist; puncta cruenta fewer and smaller than usual. Section of the basal ganglia, pons, medulla, and cerebellum showed no appearances worthy of special note. Pia in general more adherent than usual to brain substance, for the most part removing with it small portions of the cortex, and leaving irregular surface behind. Neither the membranes of the spinal cord nor the cord itself presented any appearances worthy of note. Other organs as described in the diagnosis.

Microscopic examination after hardening. Pia: slight in-

crease in the round cells and in the connective tissue fibres. Cortex: outer portion of first layer showed a well-marked, finely-fibrous meshwork, with a few spider-cells. Other layers of cortex, as well as the white matter, presented no abnormal appearances. Vessels of cortex showed everywhere a moderate degree of round-cell infiltration of the adventitia. Nothing abnormal detected in any portion of the cord.

Case V.—General Paralysis. Four years duration. Delusions of great wealth; irritability and violence; unequal pupils; patellar reflex absent; ataxic gait. Death from thrombosis. Male, aged forty.

Diagnosis: Œdema of brain; atrophy of brain; dilatation of ventricles; chronic ependymitis; cribriform appearance of white matter; chronic meningo-encephalitis; fluid condition of blood; emphysema and œdema of lungs; pulmonary embolus, with secondary thrombus formation and thrombosis of left iliac and femoral veins.

Autopsy thirty-six hours after death. Body of medium size, well developed and well nourished. Marked lividity of dependent portions. Rigor mortis present. Nothing unusual noticed about the calvaria. Dura everywhere translucent; sinuses contained dark blood. Meshes of pia contained a moderate amount of clear, thin fluid. Sulci somewhat wider and convolutions smaller than usual. Over middle of the left convexity was a cyst the size of a walnut. The brain did not fill cavity of skull; weight, 1,418 grms; on removal there escaped a large amount of thin, clear fluid. The pia showed slight opacity along course of vessels. Vessels of base and of fissure of Sylvius everywhere thin-walled and delicate; lumina free. Lateral ventricles enlarged about twice their natural size, each containing about 40 cc. of fluid; ependyma of lateral ventricles anteriorly was slightly granular and posteriorly smooth; ependyma of fourth ventricle markedly granular and warty. Brain substance, in general, quite firm on section; cortex pale, and in central region on right side thinner than usual; white matter pale; surface moist; puncta cruenta few and small. Perivascular lymph-spaces enlarged, so as to give a cribriform appearance. Section of basal ganglia, pons, medulla, and cerebellum showed no appearances worthy of special note. Pia intimately adherent to

brain substance, so that portions of brain substance were removed with it, leaving a ragged surface beneath. Cord and its membranes in gross showed nothing unusual. Pathological condition of other organs as described in diagnosis.

Microscopical examination. Pia showed considerable increase in number of round cells and in amount of fibrous tissue. Cortex: outer portion of first layer showed a fairly well-marked, finely fibrous meshwork, with an occasional spider-cell; other layers not remarkable. Slight degree of round-cell infiltration of adventitia of vessels throughout the cortex.

Case VI.— Acute Mania. Fifth attack within thirteen years, duration about ten months. Death from exhaustion. Male, aged forty.

Diagnosis: Circumscribed atrophy of the first layer of cortex, with circumscribed interstitial encephalitis of this layer; periarteritis of cortical vessels; chronic granular ependymitis; chronic vesicular emphysema of lungs; acute purulent bronchitis; acute broncho-pneumonia, circumscribed; chronic adhesive pleurisy; slight degree of cloudy swelling of kidneys.

Autopsy fifteen hours after death. Body rather below medium size, fairly well developed and nourished. Lividity of dependent portions. Rigor mortis present. Ratio of head to body and cranium to face normal. Calvaria of medium thickness, readily separable from dura. Dura everywhere translucent, showing nothing remarkable; sinuses contained a small amount of dark fluid blood. Pia everywhere thin and delicate; its meshes contained no fluid; the vessels showed a moderate degree of injection and an abundant development of Pacchionian granulations. Brain filled cavity of skull, and weighed 1,545 grms. Vessels at base and in fissure of Sylvius thin-walled and delicate; the finer vessels of the pia injected. Lateral ventricles contained each about 5 cc. clear fluid; the ependyma of lateral ventricles, lining posterior horns, thickened and coarsely granular; ependyma of fourth ventricle not remarkable; choroid plexuses and velum interpositum of a dark purplish color. Section of the brain substance showed it to be firm, the cortex of usual width, slightly darker than usual in color; puncta

cruenta of white matter of usual number and size. Section of basal ganglia, pons, medulla, and cerebellum showed no appearances worthy of special note. Pia everywhere readily separable from brain substance. Pathological condition of other organs described in the diagnosis.

Microscopic examination after hardening. Pia showed nothing abnormal. Most portions of the first layer of the cortex were normal, but here and there in circumscribed patches in the outer portion of the first layer could be seen a finely fibrous meshwork, with well-marked spider-cells; also, circumscribed areas of round-cell infiltration in the outer part of the first layer. The remaining layers of the cortex were apparently normal. There was a slight degree of round-cell infiltration of the adventitial sheaths of the vessels of the cortex, and the vessels of both cortex and white matter were markedly injected.

Case VII.—Chronic Mania. Sixteen years duration. Death from cancer of the breast. Female, aged seventy-eight.

Diagnosis: Slight œdema of the pia; slight degree of atrophy of brain; cancer of the breast and pleura; occlusion of cystic duct by calculus; dilatation of the gall-bladder; fibro-myomata of uterus.

Autopsy thirty-five hours after death. Body below medium size, fairly developed, considerably emaciated. Rigor mortis present. Left breast was occupied by a mass the size of the hand, composed of numerous nodules, varying in size from a pea to a large walnut, flattened, very firm, and dense. Loss of epidermis over an area about the size of a quarter of a dollar. On section, the nodules presented a dense grayish tissue, in which, here and there, yellowish specks were to be seen. In the right axillary region was a group of flattened nodules about the size of an English walnut, showing on section a grayish, translucent substance, with numerous grayish-yellow specks. Ratio of head to body and cranium to face apparently normal. Calvaria of usual thickness. Dura everywhere translucent; superior longitudinal sinus contained small amount of partly coagulated blood; inner surface everywhere smooth and shining. Pia everywhere thin and delicate; the meshes, especially in

sulci, contained a small amount of thin, clear fluid. Convolutions slightly diminished in size. Vessels at base and in fissure of Sylvius everywhere thin-walled and delicate. Ventricles of usual size; ependyma smooth and shining. Cortex of usual thickness, showing on section nothing remarkable; puncta cruenta normal as to number and size. Section of basal ganglia, pons, and medulla showed nothing abnormal. Cord and its membranes showed in gross nothing remarkable, except softening from post-mortem changes. Other organs were sufficiently normal, except as described in diagnosis.

Microscopic examination after hardening. Neither in the brain nor in the cord were any abnormalities discovered with the microscope.

Case VIII. General Paralysis. Duration, about one year. Death from exhaustion. Male, aged forty-three.

Diagnosis: Diffuse hyperostosis of skull; œdema of pia; chronic granular ependymitis; meningo-encephalitis; atrophy of cortex; periarteritis; circumscribed sclerosis of cord; chronic adhesive pleurisy; chronic vesicular emphysema of lungs; circumscribed nodule of chronic desquamative broncho-pneumonia; hyperplasia of intestinal follicles.

Autopsy six hours after death. Body of medium size, well developed, much emaciated. Rigor mortis present. Ratio of head to body and cranium to face normal. Cranium meso-cephalic. Calvaria double usual thickness; diploë obliterated. Grooves for middle meningeal artery of usual depth. Dura everywhere translucent; inner surface smooth and shining. Pia showed throughout a milky opacity; the meshes contained a moderate amount of thin, clear fluid. The brain nearly filled the cavity of the skull, and weighed 1,276 grms. Pia of base showed a slight degree of milky opacity. The vessels of base and fissure of Sylvius thin-walled and delicate. Lateral ventricles contained each, by estimate, 20 cc. clear fluid; both ventricles enlarged, especially in anterior and posterior horns; ependyma of all the ventricles granular and tougher than usual. A section of hemispheres showed brain substance, in general, to be of good consistency; gray cortex of usual thickness, though rather pale; white matter not remarkable. Section of the basal

ganglia, pons, medulla, and cerebellum showed no appearances worthy of special note. Pia everywhere readily separable from the brain substance. Membranes of cord not remarkable. Diameter of cord throughout diminished; on section showed in gross no unusual appearances. Pathology of other organs as described in the diagnosis.

Microscopic examination after hardening. Pia showed a slight increase in the amount of dense fibrous tissue. The first layer of the cortex showed the finely fibrous meshwork to a slight degree, with numerous spider-cells throughout. At the bottom of many of the sulci were patches, involving the first and second layers, where few or no nerve-fibres could be made out. These patches took the stain less readily than surrounding parts, and in them were to be seen scattered irregular nuclei. The third, fourth, and fifth layers apparently normal. The vessels of the cortex were injected, and there was round-cell infiltration of the adventitial sheaths to a moderate degree. In the outer posterior portion of the funiculi cuneati of the cervical cord were symmetrical patches, in which there was a marked increase in the connective tissue and a proportionate diminution in the number of nerve-fibres. In the lateral region in the dorsal cord on one side was a patch about 1 mm. in diameter, in which there was an entire disappearance of nerve-fibres, a mass of fibrous tissue remaining. The lower portions of the cord showed no such changes. The central canal throughout the cord, and especially in the lower portions, was dilated. The diameter of the cord, as a whole, was diminished about one-fifth.

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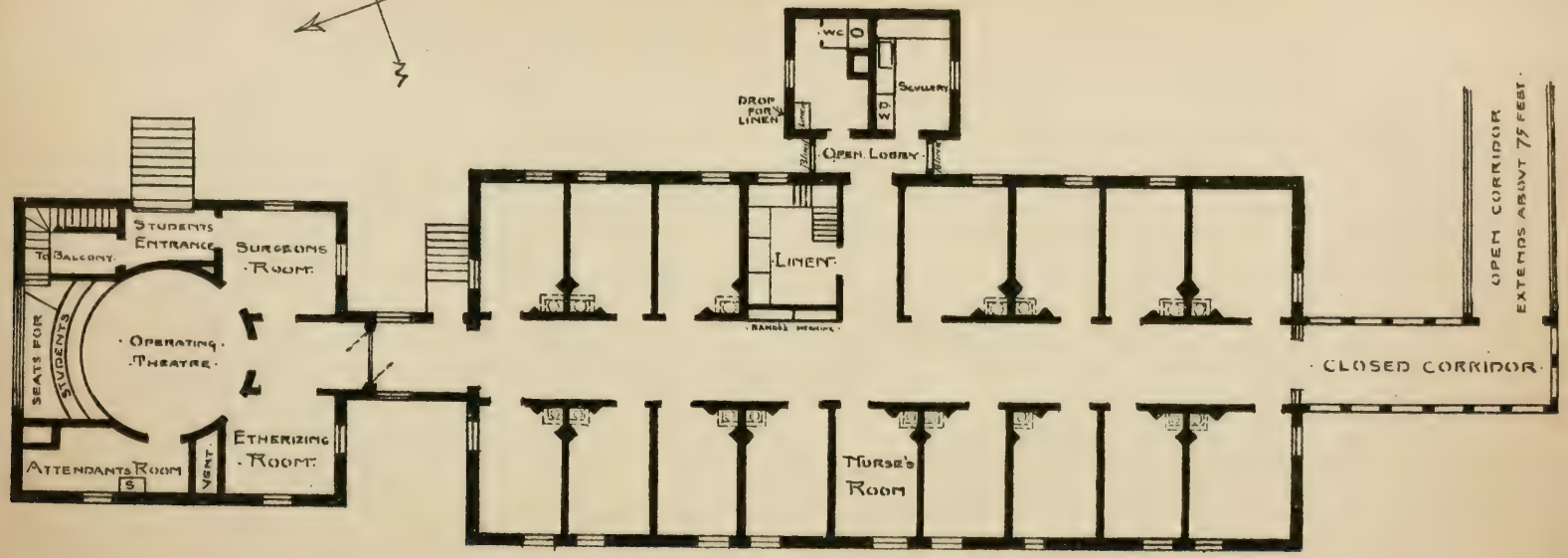
BRADLEE WARD AND THEATRE.



INTERIOR OF BRADLEE OPERATING THEATRE.

Mass Gen. Hospital, Boston.

Bradlee Ward and Operating Theatre.



Floor Plan.

1889.

Scale 19 ft. to 1 inch.

THE BRADLEE WARD AND THEATRE.

In April, 1888, the Trustees began the construction of the Bradlee Ward and Theatre, and completed the same near the close of the year. Its location is in front of the Thayer Building for Nurses and 50 feet to the west of the Townsend Ward. It is one story high, built of brick, with freestone lintels and sills, with a roof of slate. The dimensions of the ward are 82 by 36½ feet; wall, 20 feet high; the floor 6 feet above the grade of the ground. It is divided longitudinally by a hall 8 feet wide by 24 feet high, covered by a monitor roof, with windows opening inward. The pavilion contains fifteen rooms for patients, having one bed each. There are also a nurses' sitting-room, a large linen room and two closets for medicines and surgical supplies. Each room has a corner fireplace and also an independent nest of steam radiators hung beneath the floor and supplied with fresh air by ducts from the outside. This air supply is controlled by regulators, and any desired temperature is obtained. Over the windows are small windows, hung from the bottom, to admit air without a direct draft upon the beds. All corners of the rooms are curved. The interior finish is simple, all unnecessary mouldings being avoided. The location of the building is such that each room has the direct sunlight during a part of the day. The means of ventilation are by the open fireplace; by two registers,— one in the side wall above the fireplace and one in the centre of the ceiling, both connecting with a ventilating flue in the chimney. The walls and ceilings throughout are painted in oil colors. In the middle of the ward is a cross-hall 4½ feet wide, opening by double swinging doors to an annexed building, the sanitary department of the ward. Between this and the ward proper an air space is provided, a constant passage of air being supplied from the outside by two large side openings, fitted with open blinds. A wall divides the building midway, making two apartments of equal size. The inside walls are of pressed and white enamelled brick. Of the two rooms, the one to the right serves as a scullery. The one to the left of the dividing wall contains the sanitary closet and hopper and an opening to the basement for soiled clothes. No other part of the ward has connection with the sewer. A double

door at the northerly end of the main hall opens upon a corridor leading to the amphitheatre. The corridor is divided midway by swinging doors. A door to the right opens upon a flight of steps, intended for the entrance and exit of the hospital attendants. Beyond the swinging doors, a door in front opens directly to the amphitheatre floor, one on the right to a surgeons' consultation-room, and one on the left to an etherizing room. Doors from either room connect with the theatre. The walls are of pressed brick. The floors, like those of the corridor and theatre, are of asphalt.

The floor of the amphitheatre is circular in outline, with a diameter of 18 feet. Directly over this is a monitor roof of hammered glass, with an area of 280 square feet. Contiguous with this glass roof, at the northerly end of the theatre, is a window made of 4 sheets of plate glass, the combined area of which is 192 square feet.

Starting at either side of this window is a wainscoting of polished white Italian marble, continued so that it encircles the whole operating space. Above this wainscoting and projecting over it is the first circle or tier of the balcony, guarded in front by a heavy iron and brass railing. The balcony affords standing room for about 100 spectators. Opening out of the amphitheatre on the westerly side is a general supply room. The corresponding space on the easterly side is a passage-way from an outside entrance to a flight of granite stairs, leading to the balcony. From this passage-way, through an arched opening in the marble wall, access is had to additional standing room for 25 spectators. This standing room is obtained by three semicircular tiers of marble and flagging, extending from the amphitheatre floor to the sill of the large northern window. The entire basement is concreted. It has no stairway connection with the floor above. The ward and theatre are lighted by electricity.

SEVENTY-FIFTH ANNUAL REPORT

OF THE

TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

AND

McLEAN ASYLUM

1888

Printed at the Expense of the Bowditch History Fund

BOSTON
GEO. H. ELLIS, PRINTER, 141 FRANKLIN STREET
1889

SEVENTY-FIFTH ANNUAL REPORT OF THE TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

For the Year 1888.

Respectfully submitted by the Committee appointed by the Trustees to prepare a report of the Board, to be presented to the Corporation at its annual meeting.

The charitable work of succoring the poor in sickness and providing relief and protection for the insane, which was committed to the first Board of Trustees by the benevolent founders and benefactors of the Hospital and Asylum and which has been carried on by their successors so faithfully and efficiently for nearly three-quarters of a century, has been continued by the present Board of Trustees during another year: affording alleviation or cure to 23,389 sick or suffering persons, of whom 22,418 received treatment free of charge and 971 paid in whole or in part, their cost to the Asylum or Hospital. Of the free patients, 2,549 occupied free beds at the Hospital, 391 at the Convalescent Home, 6 at the Asylum and 19,472 were new out patients, treated at the Hospital. Of the paying patients, 707 were inmates of the Hospital, 6 of the Convalescent Home and 258 of the Asylum.

This work has been accomplished at an expense of $284,322.18. Of this amount, $156,452.12 was received from paying patients, the principal part of

which — namely, $131,390.70 — came from Asylum patients; while the Hospital patients paid only $25,-061.42. A portion of the remainder, $99,613.30, came from income from invested funds applicable to free beds; and $12,106 from free-bed subscriptions and donations. The deficiency, $16,150.76, representing the excess of ordinary expenditures over income, was drawn from the principal of the General Fund. In this respect, the year 1888 does not differ from the five preceding years. In each of these years, the ordinary expenses have exceeded the income; and the total deficiency for the past six years amounts to $98,063.40.

The subscriptions and donations to the Free Bed Fund in 1888, amounting to $12,106, show an increase of $750 over those of the previous year. The Trustees confidently hope for a large increase in the number of subscribers to this fund, believing that thereby the annual deficiency may be much reduced and at the same time, an extended interest in the charities and work of the Hospital created.

The Treasurer's report in detail is appended hereto and his accounts have been examined by the proper Committee and pronounced correct.

The changes in the Medical and Surgical Staff during the year have been few. A new rule has been adopted by the Trustees with regard to the Staff, limiting the age of eligibility to the position of Visiting Surgeon of the Hospital to 63 years; and of Visiting Physician to 65 years. An addition to the Medical Staff at the Asylum has been made by the appointment of Dr. William Noyes as Pathologist and Assistant Physician; and at the Hospital, Dr. Otis K. Newell has been appointed Surgeon to out patients, in place of Dr. West, resigned.

Early in the year, a communication was received

by the Trustees from Dr. Arthur T. Cabot, on behalf of himself and brothers, offering to establish a fund, in amount $10,000, to be called "The Samuel Cabot Fund for Pathological Investigation"; the income of which is to be used for the payment of the services of a Pathologist at the Hospital, who shall hold himself in readiness at all times, to make such pathological examinations and investigations as shall be required by the Visiting Surgeons and Physicians. The offer was gratefully accepted by the Trustees; and Dr. William F. Whitney has been appointed to perform the special duties designated by the generous donors.

During the year, the Board of Trustees has lost by death one of its oldest members in term of service. Appointed by the Commonwealth in 1871, Mr. Samuel D. Warren has continuously since then, served the interests of the Hospital with faithfulness and zeal. The appreciation of his services by his colleagues is shown in the following minute which was adopted at a meeting of the Trustees held in May, 1888: —

> The death of Mr. Warren is a great loss to the Hospital and to the Trustees. Although the infirmities of his later years had interfered with active services, his excellent judgment and his kindly intercourse were as valuable as ever; and now that they are finally taken away, their loss will be deeply regretted. His associates bear cordial and reverent witness to his generous interest in the work committed to them and to the various benefits which he has rendered it in the past seventeen years. His memory will be cherished in the Hospital.

The vacancy occasioned by the death of Mr. Warren was filled by the appointment of Mr. Frederick L. Ames.

In January, a gift of $50,000 was received from Miss Helen C. Bradlee as a memorial of her brother, the late J. Putnam Bradlee. With the approval of Miss Bradlee, a new operating theatre with ward attached,

isolated as much as possible, has been built for the treatment of a class of cases in surgery which specially demands every possible antiseptic precaution. The building is among the first, it is believed, which have been erected for this purpose; and the Trustees confidently expect that much suffering will be alleviated and many lives prolonged by reason of this most noble and charitable gift of Miss Bradlee. The buildings are now completed and will be henceforth known as the Bradlee Ward and Theatre. The sum remaining after the completion of the building has, with the giver's consent, been appropriated to the introduction into the Hospital of an electric light plant; and to the building of a tramway connecting Wards B. C. D. E. and the new ward with the kitchen; thus enabling the patients to receive their food in a much better condition than when transported by hand, through the long corridors connecting the outlying wards with the central building.

Besides Miss Bradlee's gift, donations and bequests have been received as follows: —

Donation of Mrs. Nathaniel Thayer, for a permanent free bed,	$1,000.00
Donation of Edward F. Deland, Esq., for a permanent free bed,	1,000.00
Donation of Dr. Arthur T. Cabot, "to be the nucleus of a Samuel Cabot Fund for Pathological Investigation," . .	1,000.00
Donation of Dr. Arthur T. Cabot, "toward the first year's salary of the Pathologist,"	200.00
Donation of Hon. George S. Hale, for "Hibbard Occupation Fund," the income to be used for the "occupation of patients at the Asylum,"	1,000.00
Donation of Mrs. Anna T. Phillips, for free beds, ...	1,000.00
Donation of Miss Helen W. Faulkner, for free beds, ...	1,000.00
Donation of Mrs. Annie Ruth Hayden, as a memorial of her husband, to be called "The Charles R. Hayden Fund for Free Beds,"	2,000.00
Donation of Mahlon D. and John P. Spaulding, Esqs., the income to be used for free beds, ...	10,000.00
Donation of Miss Sarah R. Spalding, in memory of her brother, to constitute the "Joel Spalding Fund for Free Beds,"	3,000.00

Donation of Mrs. George C. Shattuck, for free beds,	$500.00
Donation of Francis V. Balch, Esq.,	50.00
Donation of "a friend," for free beds,	10.00
Donation of "an old lady,"	20.00
Donation of F. E., through Thomas E. Proctor, Esq., for free beds,	20.00
Bequest of Mrs. James McGregor to the free bed fund,	1,000.00
Bequest of Mrs. Elizabeth B. I. B. Dixwell for the Convalescent Home,	1,000.00
Part of a bequest of Mrs. Ella F. Roehl, for free beds,	1,200.00
Part of a bequest of M. P. Sawyer, the income to be used for free beds,	2,255.21

Early in the year, the Library for the use of patients at the Hospital was moved to a more convenient room. Some five hundred books were found to be so worn or of such doubtful value, as to be useless; and have been discarded. Sixty-three new books have been added by purchase; and twenty-five have been presented by friends. A new catalogue has been printed and a copy placed in every ward. The Trustees would be glad to add to the Library any books suited to invalid reading, which friends of the Hospital may feel disposed to give.

During the year, 189 children were received at the Hospital, of whom 41 were under two years of age. The Trustees would again remind the friends of the Hospital and the public that they are glad at all times, to offer the benefits of the Hospital to children. And they also take this opportunity to say that the Convalescent Home is not intended exclusively for convalescents from the Hospital under their charge; but that convalescents from other hospitals or private patients, who require the rest and refreshment which such a Home can give, are always welcome.

The most serious matter occupying the attention of the Trustees since their last report has been the condition and needs of the Asylum at Somerville. Dr. George E. Ellis, in concluding his continuation of the

"History of the Hospital," which closes with the year 1873, says: —

> These pages close at a critical period in the history and future prospects of the asylum at Somerville. The spacious edifices which have been gathered by enlargements and the erection of new structures around the original dwelling purchased by the Trustees, even with all the ingenuity and skill and all the large outlays of money spent upon them, have never been regarded as wholly satisfactory in their arrangements

And then, after commenting on the encroachments upon the spacious gardens and grounds made by the neighboring railroads, Dr. Ellis adds: —

> The Trustees, under the present condition of things, have been brought to the conclusion that it is highly desirable for them to find a new site for the Asylum.

Since the above was written, fifteen years have passed: the Asylum has not been removed; and the objections to the buildings and the site are more cogent than ever. The original buildings were erected more than one hundred years ago; and although additions and alterations have been made from time to time, to adapt them to the demands arising from an ever-growing experience in the care of the insane, still it has been impossible to engraft the new upon the old so as to overcome the deficiencies and make a comprehensive whole. In the mean time, those most experienced and skilled in the care of the insane have come to the conclusion that the proper classification of patients depends very largely, upon the form and arrangement of Asylum buildings; and that these "shape and control more than any one single element the quality and efficiency" of all Asylum work.

In addition to the unfortunate construction of the buildings, the encroachments of the railroads con-

tinue; and the surroundings become more unsuitable every day; and so the Trustees feel deeply the necessity of an early removal. To this end, they have become the owners of an extensive tract of land at Belmont, high and salubrious; and have already erected upon a portion of it "The Convalescent Home," for the use of the General Hospital. They have also accumulated an Asylum building fund, now amounting to nearly $200,000. But this sum together with what may be realized from the sale of the present Asylum site, will not construct such buildings as present experience demands for the proper classification and distribution of patients. Moreover, it will be impossible to sell the Somerville estate until the new buildings are completed and the patients removed. To borrow money to be paid in part, from the sale of the old Asylum estate, is undesirable; particularly as that estate may be slow of sale. Nevertheless, so impressed are the Trustees with the importance and necessity of the change that the study of plans is now going on; and if they can be completed to the satisfaction of the Trustees in time, they hope in the Spring, to begin work upon one or perhaps two buildings for convalescent patients of the Asylum,— one for males and one for females. And they confidently believe that if their plans can be carried to a complete consummation, the new Asylum will be at once, more than self-supporting and at the same time, its meliorating and curative powers greatly increased. But this cannot be accomplished by the Trustees with the slender means at present in their control. It can only be brought about by generous and liberal gifts from the benevolent and charitable men and women of Massachusetts.

DAVID R. WHITNEY,
FREDERICK L. AMES,
Committee.

REPORT OF THE TREASURER

OF THE

MASSACHUSETTS GENERAL HOSPITAL.

TO THE BOARD OF TRUSTEES:

Gentlemen,— In accordance with the Fifth Article of the By-Laws, the report of the accounts of the Massachusetts General Hospital, made up to the last day of December, 1888, is respectfully submitted to be laid before the Corporation at its annual meeting.

Dr. FRANKLIN HAVEN, JR., *Treasurer, in account with the* MASSACHUSETTS GENERAL HOSPITAL. *Cr.*

To Balance Cash on hand Dec. 31, 1887,	$16,910.56	By Cash paid Insurance,	$5,712.82
" Railroad Bonds sold,	50,000.00	" " " Annuitants,	4,001.58
" United States Bonds sold,	10,000.00	" " " Annual Report, 1887,	303.21
" Real Estate, No. 183 Harrison Avenue, sold,	11,500.00	" " " Taxes at Belmont,	456.00
" One-third profits Mass. Hospital Life Ins. Co.,	5,000.00	" " " Expenses of Hospital,	135,229.47
" Donations and legacies,	77,205.21	" " " Expenses of Asylum,	139,178.98
" Income from investments,	115,861 58	" " " Expenses of Convalescent Home,	9,913.73
" Notes Receivable,	190,000.00	" " " Investments,	114,642.25
" Notes Payable,	4,500.00	" " " Library,	347.13
" Board of paying patients at Asylum,	131,390.70	" " " Wooden legs,	525.00
" Board of paying patients at Hospital,	23,009.42	" " " Premiums,	1,665.75
" Board of paying patients at Convalescent Home,	2,052.00	" " " Belmont Improvements,	6,345.10
" Subscribers for Free Beds ($5,556 received for this purpose in 1887),	6,550.00	" " " Real Estate, corner of Washington and Kneeland Streets,	150,000.00
" Subscribers for Free Beds for 1889 in advance,	5,125.00	" " " Real Estate, Fruit Street and vicinity,	26,203.60
" Edward Cowles, Superintendent, balance in account,	1,615.37	" " " Thayer Building Improvements,	1,821.21
" Jno. W. Pratt, Resident Physician, balance in account,	561.94	" " " Tramway, Hospital,	73.44
		" " " Electric Lighting, Hospital,	92.93
		" " " Ward E and Theatre, Hospital,	27,347.45
		" " " Salary of Pathologist, Hospital,	323.00
		" " " Heirs of Mrs. Susan G. Huse, Redman Annuitant,	4,000.00
		" Balance Cash on hand Dec. 31, 1888,	23,099.13
	$651,281.78		$651,281.78

The expenses of carrying on the business of the Corporation for the year 1888 have been $284,322.18, namely: —

On account of Hospital Department, . . .	$135,229.47	
" " " McLean Asylum, ...	139,178.98	
" " " Convalescent Home, ...	9,913.73	
		$284,322.18

These expenses have been met from: —

Amount charged to patients, ...	$156,452.12	
Income from various funds applicable, . . .	99,613.30	
Subscriptions for Free Beds for 1888, . . .	12,106.00	
Deficit drawn from the General Fund, . . .	16,150.76	
		$284,322.18

The receipts at Convalescent Home have exceeded the expenses $377.47; the receipts at the McLean Asylum have exceeded the expenses $2,412.32; and the expenses at the Hospital have exceeded the receipts $18,940.55, making a net deficit of $16,150.76.

TABLE No. 1.

HOSPITAL DEPARTMENT.

Expenses and receipts for the year 1888: —

Expenses at the Hospital (see Table 4), . .		$135,229.47
Receipts.		
Income from Redman Fund (see Table 7), .	$27,306.78	
" " Free Bed Funds (see Table 7), .	38,222.48	
" " Funds, income unrestricted (see Table 7), ...	2,400.00	
" " General Fund (see Table 7), .	13,244.24	
" " Free Bed Subscriptions (see Table 8), ...	12,106.00	
Amount charged to patients, ...	23,009.42	
Deficit from General Fund, ...	18,940.55	
		$135,229.47

TABLE No. 2.

McLEAN ASYLUM.

Expenses and receipts for the year 1888: —

Expenses at the Asylum (see Table 5), . . .		$139,178.98
Receipts.		
Income from Fund for Beneficiaries, ...	$4,500.60	
" " " " Female Beneficiaries, .	5,100.00	
" " Amusement Fund, ...	600.00	
Amount charged to patients, ...	131,390.70	
		141,591.30
Balance of Receipts over Expenses credited to the General Fund, ...		$2,412.32

TABLE No. 3.

CONVALESCENT HOME.

Expenses and receipts for the year 1888: —

Expenses at Convalescent Home (see Table 6),		$9,913.73
Receipts.		
Income from Convalescent Home Fund, . .	$8,239.20	
Amount charged to patients, ...	2,052.00	
		10,291.20
Balance of Receipts over Expenses credited to the General Fund, ...		$377.47

TABLE No. 4.

Expenses of the Hospital Department: —

For Stores, ...	$43,955.05	
Gas and Oil, ...	3,267.23	
Water and Ice, ...	2,443.58	
Wages, ...	33,782.94	
Medicine, ...	2,890.15	
Furniture, ...	9,873.43	
Surgical Instruments, ...	3,199.99	
Stationery, ...	833.79	
Wines and Liquors, ...	3,022.80	
Salaries, ...	3,750.00	
One-half General Expenses, ...	855.89	
Fuel, ...	10,343.89	
Contingencies, ...	2,058.79	
Library, ...	62.58	
Repairs, ...	14,889.36	
		$135,229.47

These expenditures have been for account of: —

2,549 Free Patients for 8,840 weeks, ...	$119,634.59	
707 Paying Patients for 1,196 weeks, . . .	15,594.88	
		$135,229.47
The average number of patients was, in 1887,	185	
The average number of patients has been, in 1888, ...	193	
The average cost per week in 1887 was . . .	$12.56	
The average cost per week in 1888 has been .	13.47	
The total expenses were, in 1887, ...	120,881.61	
The total expenses have been, in 1888, . . .	135,229.47	
The amount paid for account of free patients,		$119,634.59
The amount received for them has been: —		
From Income of Free Bed Funds, . . .	$38,222.48	
From Subscribers for this object (see Table 8), ...	12,106.00	
		$50,328.48

The deficiency has been drawn in part from the income of the various funds applicable to the purpose, and the remainder from the General Fund.

TABLE No. 5.

EXPENSES OF THE ASYLUM DEPARTMENT.

For Stores, ...	$43,643.47	
Laundry, ...	9,059.88	
Fuel, ...	9,081.34	
Stationery, ...	426.87	
Medicines and Liquors, ...	2,263.63	
Contingencies, ...	2,223.43	
Furniture, ...	6,795.73	
Repairs, ...	10,940.90	
Diversions, ...	1,598.15	
Belmont Improvements, ...	1,668.84	
Water and Ice, ...	2,354.34	
Lights, ...	3,089.74	
Wages, ...	29,490.15	
Salaries, ...	9,760.00	
One-half General Expenses, ...	1,092.89	
Library, ...	600.00	
Stables, ...	3,873.82	
Garden, ...	2,777.05	
		$140,740.23
Less Cr. Clothing, $240.87; Farm, $1,320.38,		1,561.25
		$139,178.98

These expenditures have been for account of: —

Patients paying cost and more,		$34,146.73
Patients paying less than cost,		105,032.25
		$139,178.98
The average number of patients in 1887,	160	
The average number of patients in 1888,	164	
The average cost per week in 1887,	$16.35	
The average cost per week in 1888,	15.98	
The total expenses in 1887,		$139,497.70
The total expenses in 1888,		139,178.98
The amount expended at the Asylum for patients who have paid less than cost has been,		$105,032.25
The amount received has been: —		
From patients, 6,452 weeks' board at less than cost,	$60,961.74	
Income of Funds for Beneficiaries,	4,500.60	
Income of Funds for Female Beneficiaries,	5,100.00	
Income of Amusement Fund,	600.00	
		71,162.34
		$33,869.91

The deficiency has been drawn in part from patients paying more than cost, and the remainder from the General Fund.

TABLE No. 6.

EXPENSES OF THE CONVALESCENT HOME.

For Stores,		$4,041.22
Gas and Oil,		62.65
Furniture,		297.22
Wages,		3,222.85
Fuel,		823.59
Ice,		114.06
Repairs,		801.73
Contingencies,		410.26
Surgical Instruments,		31.35
Medicines,		89.50
Wines and Liquors,		19.30
		$9,913.73
Whole number of patients admitted during the year, males,	224	
Whole number of patients admitted during the year, females,	173	
	397	
Number of patients Jan. 1, 1888,	16	
		413

Whole number discharged during the year,		394
Remaining, Jan. 1, 1889, males,	12	
Remaining, Jan. 1, 1889, females,	7	
		19

TABLE No. 7.

INCOME FROM INVESTMENTS.

From Annuities Receivable,	$6,400.00
City and Town Bonds,	680.00
United States Bonds,	400.00
Mass. Hospital Life Ins. Co. Stock,	4,000.00
Railroad Bonds,	41,241.87
Manufacturing Stocks,	3,924.00
Bank Stocks,	8,904.29
Real Estate, Productive,	38,512.87
Notes Receivable,	8,903.15
Interest,	861.80
Railroad Stocks,	1,940.00
Del. Mut. Ins. Co.,	93 60
	$115,861.58

Which has been distributed as follows: —

To G. H. Gay Fund,		$368.55
Redman Fund,		27,306.78
Warren Prize Fund,		214.79
Bowditch History Fund,		120.00
Wooden Leg Fund,		300.00
Redman Annuities,		791.58
Clara Barton Annuity,		194.46
Surgical Instrument Fund,		81.00
Amusement Fund,		600.00
Free Bed Funds, { for use,	$38,222.48	
Free Bed Funds, { for Joy Annuitants,	700.00	38,922.48
Beneficiaries at Asylum Funds,		4,500.60
Warren Library Fund,		60 00
One-half Lincoln Fund,— Female Beneficiaries,		5,100.00
Funds with Income Unrestricted,		2,400.00
General Fund,		13,244.24
Convalescent Home Fund,		8,239 20
Asylum Building Fund,		11,244.90
Whittemore Fund,		1,500.00
Urbino Fund,		300.00
Treadwell Library Fund,		300.00
Samuel Cabot Fund,		53.00
Hibbard Fund,		20.00
		$115,861.58

The Income for 1885 was	$97,911.71
The Income for 1886 was	102,964.50
The Income for 1887 was	108,486.35
The Income for 1888 has been	115,861.58

TABLE No. 8.

SUBSCRIBERS FOR FREE BEDS FOR 1888.

American Bell Telephone Co.,	$56	George Higginson,	$100
Oliver Ames & Sons' Corporation,	100	Miss E. Hooper,	100
C. W. Amory,	100	E. W. Hooper,	100
William Amory,	100	George D. Howe,	100
D. H. Andrews,	100	Francis W. Hunnewell,	100
Boston & Albany R.R. Co.,	500	Mrs. Charlotte A. Johnson,	100
Boston & Lowell R.R. Co.,	300	Samuel Johnson,	100
Boston & Maine R.R. Co.,	500	David P. Kimball,	100
Boston & Providence R.R. Co.,	100	L. C. Kimball,	100
Mrs. E. B. Bowditch,	200	Amory A. Lawrence,	100
J. L. Bremer,	100	Mrs. Anna C. Lodge,	100
Richard Briggs,	100	Thornton K. Lothrop,	100
Martin Brimmer,	100	Mrs. Thornton K. Lothrop,	100
P. C. Brooks,	100	Theodore Lyman,	100
Shepherd Brooks,	100	Ida M. Mason,	100
William S. Bullard,	100	W. Powell Mason,	100
Mrs. Laura M. Case,	100	Mass. Humane Society,	200
J. Randolph Coolidge,	100	Mrs. Caroline Merriam,	100
J. T. Coolidge, Jr.,	100	Charles Merriam,	100
T. Jefferson Coolidge,	100	Misses M. C. and H. K. Mixter,	100
T. Jefferson Coolidge, Jr.,	100	C. J. Morrill,	100
Mrs. Arthur Croft,	100	Alexander Moseley,	100
Charles P. Curtis,	100	Old Colony R.R. Co.,	500
Greely S. Curtis,	100	F. W. Palfrey,	100
Mrs. J. G. Cushing,	100	F. H. Peabody,	100
F. Gordon Dexter,	100	Frank E. Peabody,	100
George Dexter,	300	C. E. Perkins,	100
Mrs. C. H. Dalton,	100	W. D. Pickman,	100
Stephen G. Deblois,	100	A. L. Rotch,	100
Edmund Dwight,	100	Mrs. B. S. Rotch,	100
Samuel Eliot,	100	Henry Saltonstall,	100
William Endicott, Jr.,	100	F. R. Sears,	100
Employers' Liability Assurance Corporation, Lim'd,	100	Mrs. F. R. Sears, Jr.,	100
Mrs. Elizabeth E. Fay,	100	Mrs. G. H. Shaw,	100
Henry H. Fay,	100	Henry S. Shaw,	100
Joseph S. Fay,	100	J. P. Squire,	200
Joseph S. Fay, Jr.,	100	J. P. Squire & Co.,	100
Fitchburg R.R. Co.,	500	Nathaniel Thayer,	200
John Foster,	100	George W. Wales,	100
George A. Gardner,	100	Mrs. Charles E. Ware,	100
Mrs. Helen M. Gardner,	100	Otis E. Weld,	100
John L. Gardner,	200	Miss Anne Wigglesworth,	200
Joseph B. Glover,	100	R. C. Winthrop, Jr.,	100
Miss Eliza Goodwin,	100	Mrs. Thomas Lindall Winthrop,	100
Mrs. Mary P. Greenleaf,	100	Henry Woods,	100
W. O. Grover,	100	J. Huntington Wolcott,	100
F. Haven, Jr.,	100	Mrs. J. Huntington Wolcott,	100
F. L. Higginson,	100	Other donations,	50
			$12,106

TABLE No. 9.— LIBRARY FUNDS.

TREADWELL LIBRARY FUND.

Balance, Dec. 31, 1887: —		
Principal,		$5,000.00
Income,	$89.55	
1888, Income received,	300.00	
	$389.55	
Income expended,	347.13	
	$42.42	
Balance, Dec. 31, 1888: —		
Principal,		5,000.00
Income,	$42.42	

WARREN LIBRARY FUND.

Balance, Dec. 31, 1887: —		
Principal,		$1,000.00
Income,	$639.62	
1888, Income received,	60.00	
	$699.62	
Balance, Dec. 31, 1888: —		
Principal,		1,000.00
Income,	$699.62	

TABLE No. 10.

WOODEN LEG FUND.

Balance, Dec. 31, 1887: —		
Principal,		$5,000.00
Income,	$475.19	
1888, Income received,	300.00	
	$775.19	
Income expended,	525.00	
	$250.19	
Balance, Dec. 31, 1888: —		
Principal,		5,000.00
Income,	$250.19	

TABLE No. 11.

THE BOWDITCH HISTORY FUND.

Balance, Dec. 31, 1887: —		
Principal,		$2,000.00
Income,	$879.36	
1888, Income received,	120.00	
	$999.36	
Income expended,	303.21	
	$696.15	
Balance, Dec. 31, 1888: —		
Principal,		2,000.00
Income,	$696.15	

TABLE No. 12.

GENERAL FUND.

Balance, Dec. 31, 1887,	$1,121,388.81	
Add one-third profits of Mass. Hospital Life Ins. Co.,	5,000.00	
Add donation of Miss Helen C. Bradlee,	50,000.00	
Add donation of Mr. Francis V. Balch,	50.00	
Add profit on sale of land and house, Harrison Avenue,	1,382.75	
		$1,177,821.56
Less balance of Insurance Account,	$5,712.82	
Less balance of premium for Stocks and Bonds,	1,665.75	
Less amount paid J. Wilson, Annuitant,	710.00	
Less balance of expenses over Income,	16,150.76	
Balance, Dec. 31, 1888,	1,153,582.23	
		1,177,821.56

TABLE No. 13.

RESTRICTED FUNDS.

Income devoted to Free Beds: —

The Joy Fund, being a bequest from Miss Nabby Joy,	$20,000.00
Belknap Fund, being a bequest from Jeremiah Belknap,	10,000.00
Wm. Phillips Fund, being a bequest from Wm. Phillips,	5,000.00
Williams Fund, being a bequest from John D. Williams, of estate No. 17 Blackstone Street,	19,600.00
Bromfield Fund, being half of a bequest from John Bromfield,	20,000.00
Miss Townsend Fund, being a donation from the Executors of the will of Miss Mary P. Townsend,	11,486.50
Brimmer Fund, being a bequest from Miss Mary Ann Brimmer,	5,000.00
Wilder Fund, being a bequest from Charles W. Wilder,	12,000.00
Sever Fund, being a bequest from Miss Martha Sever,	500.00
Thompson Fund, being a bequest from S. B. Thompson,	500.00
Amount carried forward,	$104,086.50

Amount brought forward, ...	$104,086.50
Tucker Fund, being a bequest from Miss Margaret Tucker, ...	3,312.37
Davis Fund, being a bequest from Mrs. Eleanor Davis, ...	900.00
Loring Fund, being a bequest from Abigail Loring, ...	5,000.00
Nichols Fund, being a bequest from B. R. Nichols, ...	6,000.00
Gray Fund, being a donation from John C. Gray, ...	1,000.00
Dowse Fund, being a bequest from Thomas Dowse, ...	5,000.00
Todd Fund, being a bequest from Henry Todd, ...	5,000.00
J. Phillips Fund, being a bequest from Jonathan Phillips, ...	10,000.00
Greene Fund, being a bequest from Benj. D. Greene, ...	5,000.00
Percival Fund, being a bequest from John Percival, ...	950.00
Pickens Fund, being a bequest from John Pickens, ...	1,676.75
Treadwell Fund, being part of a bequest from J. G. Treadwell, ...	38,703.91
Raymond Fund, being a bequest from E. A. Raymond, ...	2,820.00
Harris Fund, being part of a bequest from Charles Harris, ...	1,000.00
Mason Fund, being a bequest from Wm. P. Mason, ...	9,400.00
Sawyer Fund, being part of a bequest from M. P. Sawyer, ...	7,000.00
J. L. Gardner Fund, being a donation from J. L. Gardner, ...	20,000.00
B. T. Reed Fund, being a donation from Benj. T. Reed, ...	1,000.00
Wm. Reed Fund, being a bequest from Wm. Reed, ...	5,233.92
McGregor Fund, being half of a donation and bequest from James McGregor, .	7,500.00
Miss Rice Fund, being a bequest from Miss Arabella Rice, ...	5,000.00
Templeton Fund, being half of a bequest from John Templeton, ...	5,000.00
Mrs. J. H. Rogers Fund, being a donation from J. H. Rogers, ...	1,177.50
Amount carried forward, ...	$251,760.95

Amount brought forward, ...	$251,760.95
Beebe Fund, being a bequest from J. M. Beebe, ...	50,000.00
Lincoln Fund, being half of a bequest from Mrs. F. W. Lincoln, ...	85,000.00
Blanchard Fund, being a bequest from Mrs. M. B. Blanchard, ...	4,000.00
George Gardner Fund, being a donation from George Gardner, ...	1,000.00
Hemenway Fund, being a donation from the Executors of the will of Augustus Hemenway, ...	20,000.00
Jessup Fund, being part of a bequest from Dr. Chas. A. Jessup, ...	1,000.00
Tufts Fund, being a bequest from Quincy Tufts, ...	10,000.00
Read Fund, being half of a bequest from Jas. Read, ...	1,000.00
Parker Fund, being a bequest from Jno. Parker, Jr., ...	10,000.00
Miss Shaw Fund, being a donation and bequest from Miss M. Louisa Shaw, .	5,500.00
Eliza Perkins Fund, being a donation from Mrs. H. B. Rogers, ...	1,000.00
Dwight Fund, being a donation from Mrs. T. Bradford Dwight, ...	1,000.00
Hunnewell Fund, being a donation from H. H. Hunnewell, ...	10,000.00
R. M. Mason Fund, being a bequest from R. M. Mason, ...	5,000.00
Hannah Lowell Cabot Fund, being a donation from Dr. Samuel Cabot, . . .	1,000.00
Welles Fund, being a donation from Miss Jane Welles, ...	5,000.00
Black Fund, being a bequest from Miss Marianna Black, ...	2,000.00
Eben Wright Fund, being an assignment of legacies by the children of T. Jefferson Coolidge, ...	14,000.00
Paraclete Holmes Fund, being a donation from W. S. Adams, ...	2,000.00
Estabrooks Fund, being a bequest from J. W. Estabrooks, ...	1,000.00
The Thayer Fund, being a bequest from Nathaniel Thayer, ...	30,000.00
Sawyer Fund, being part of a bequest from M. P. Sawyer, ...	61.653.06
Amount carried forward, ...	$572,914.01

Amount brought forward, ...	$572,914.01	
Ann E. Gray Fund, being a bequest from Miss Ann E. Gray, ...	5,000.00	
John Bertram Fund, being a donation from Mrs. Clara Bertram Kimball, .	5,000.00	
Hannah C. Leland Fund, being a bequest from Mrs. Hannah C. Leland, . . .	15,000.00	
Esther E. Beebe Fund, being a bequest from Mrs. Esther E. Beebe, . . .	2,000.00	
Ella F. Roehl Fund, being part of a bequest from Ella F. Roehl, . . .	7,200.00	
Two subscriptions from Friends, $100 each, ...	200.00	
Henry B. Rogers Fund, being a bequest from Henry B. Rogers, ...	10,000.00	
John H. Eastburn Fund, being a bequest from John H. Eastburn, ...	10,000.00	
Mrs. Susan F. Eastburn Fund, being a bequest from Mrs. Susan F. Eastburn,	1,000.00	
William B. Craft Fund, being a bequest from William B. Craft, ...	5,000.00	
Emily W. Appleton Fund, being a donation from Mrs. Emily W. Appleton, .	1,000.00	
Charles R. Hayden Fund, being a donation from Mrs. Annie Ruth Hayden,	2,000.00	
Spaulding Fund, being a donation of Mahlon D. and John P. Spaulding, .	10,000.00	
Shattuck Fund, being a donation of Mrs. George C. Shattuck, ...	500.00	
Joel Spalding Fund, being a donation of Miss Sarah R. Spalding, ...	3,000.00	
McGregor Fund, being a bequest of Mrs. James McGregor, ...	1,000.00	$650,814.01

Income devoted to beneficiaries at Asylum:—

The Bromfield Fund, being half of a bequest from John Bromfield, ...	$20,000.00	
Read Fund, being half of a bequest from Jas. Read, ...	1,000.00	
Appleton Fund, $10,010 being a bequest from Samuel Appleton, $20,000 being a donation from Wm. Appleton, . .	30,010.00	
McGregor Fund, being half of a donation and bequest from James McGregor, .	7,500.00	
Amounts carried forward, ...	$58,510.00	$650,814.01

Amounts brought forward, ...	$58,510.00	$650,814.01
Austin Fund, being part of a bequest from Mrs. Agnes Austin, ...	5,000.00	
Kittredge Fund, being a bequest from Rufus Kittredge, ...	5,500.00	
Templeton Fund, being half of a bequest from John Templeton, ...	5,000.00	
Proctor Fund, being a bequest from Mrs. Lydia P. Proctor, ...	1,000.00	
		75,010.00
Income devoted to Female Beneficiaries at Asylum: —		
The Lincoln Fund, being half of a bequest from Mrs. F. W. Lincoln, ...		85,000.00
Income unrestricted: —		
The Waldo Fund, being a bequest from Daniel Waldo, ...		40,000.00
Income devoted to any purpose except buildings: —		
The Redman Fund, being a bequest from John Redman, ...		455,113.34
Income devoted to a Triennial Prize: —		
The Warren Prize Fund, being a bequest from Dr. J. M. Warren, ...		3,579.92
Income devoted to the Library: —		
The Treadwell Library Fund, being part of a bequest from J. G. Treadwell, . . .		5,000.00
Income devoted to Books for Patients: —		
The Warren Library Fund, being a donation from Dr. J. C. Warren, ...		1,000.00
Income and Principal devoted to the publication of a History of the Hospital: —		
The Bowditch History Fund, being a bequest from N. I. Bowditch, ...		2,000.00
Amount carried forward, ...		$1,317,517.27

Amount brought forward, ...		$1,317,517.27
Income devoted to Amusements at the Asylum: —		
The Amusement Fund, $5,000 being a bequest from Miss Mary Louisa Shaw, $5,000 being a donation from Mrs. Quincy A. Shaw and other Ladies, ...		10,000.00
Income devoted to Special Surgical Instruments: —		
The Surgical Instrument Fund, being a donation from Dr. H. J. Bigelow, $1,250; donation of Mr. R. M. Moore, $100, .		1,350.00
The Wooden Leg Fund: —		
Being a bequest from N. I. Bowditch, . . .		5,000.00
The Convalescent Home Fund, .	$132,280.66	
Donation from Mr. George A. Gardner, ...	5,000.00	
Donation from Miss Mary Russell, ...	40.00	
Bequest of Elizabeth B. I. B. Dixwell, ...	1,000.00	
		138,320.66
Permanent Free Beds: —		
Miss Marian Hovey, ...	$1,000.00	
Mrs. Fanny H. Morse, ...	1,000.00	
Henry S. Hovey, ...	1,000.00	
Edward Woodman, ...	1,000.00	
Children of Mrs. Henry Windsor, ...	1,000.00	
D. R. Whitney, ...	1,000.00	
George Gardner, ...	1,000.00	
Mrs. Nathaniel Thayer, ...	1,000.00	
Edward F. Daland, ...	1,000.00	
Mrs. Anna I. Phillips, ...	1,000.00	
Miss Helen W. Faulkner, ...	1,000.00	
		11,000.00
Redman Annuities, ...		11,600.00
Amount carried forward, ...		$1,494,787.93

Amount brought forward, ...		$1,494,787.93
Clara Barton Annuity, ...		3,241.00
Asylum Building Fund, ...		198,660.83
G. H. Gay Fund, ...		6,511.08
Dr. J. H. Whittemore Memorial Fund, ...		33,720.00
S. R. Urbino Fund, ...		5,000.00
Hibbard Occupation Fund, . . .		1,000.00
Samuel Cabot Fund for Pathological Investigation, ...		1,000.00
Add unused income at credit of		
Warren Prize Fund, ...	$575.11	
Warren Library Fund, ...	699.62	
Bowditch History Fund, ...	696.15	
Surgical Instrument Fund, ...	1,556.21	
Wooden Leg Fund, ...	250.19	
Clara Barton Annuity, ...	385.68	
Treadwell Library Fund, ...	42.42	
Hibbard Occupation Fund, ...	20.00	
		4,225.38
Total of Restricted Funds, ...		$1,748,146.22

TRIAL BALANCE, DECEMBER 31, 1888.

Dr.		*Cr.*
Land and Buildings for Asylum,	$320,794.75	
Land and Buildings for Hospital,	605,426.54	
Land and Improvements at Belmont,	90,200.51	
Annuities Receivable,	160,000.00	
Insurance Stock,	50,000.00	
Reversions,	10.00	
Delaware Mutual Insurance Company's Scrip,	520.00	
Manufacturing Companies Stocks,	47,400.00	
Bank Stocks,	84,200.00	
Railroad Stocks,	25,500.00	
Railroad Bonds,	662,100.00	
Old Colony Steamboat Company Bonds,	16,000.00	
City and Town Bonds,	13,000.00	
Notes Receivable,	102,100.00	
Real Estate, Productive,	546,391.64	
Real Estate, Productive, on Fruit Street and vicinity	89,172.24	
Real Estate, Productive, on Floral Place,	46,794.41	
Edward Cowles, Superintendent,	26,853.58	
John W. Pratt, Resident Physician,	1,780.65	
Samuel Cabot Fund,	70.60	
Cash,	23,099.13	
	$2,911,413.45	
Redman Fund,	$455,113.34	
Warren Prize Fund,	3,579.92	$575.11
Bowditch History Fund,	2,000.00	696.15
Wooden Leg Fund,	5,000.00	250.19
Clara Barton Annuity,	3,241.00	385.68
Surgical Instrument Fund,	1,350.00	1,556.21
Amusement Fund,	10,000.00	
Free Beds Fund,	650,814.01	
Warren Library Fund,	1,000.00	699.62
Beneficiaries at Asylum Fund,	75,010.00	
Treadwell Library Fund,	5,000.00	42.42
Lincoln Fund,	85,000.00	
Funds with Income Unrestricted,	40,000.00	
Permanent Free Beds Fund,	11,000.00	
Asylum Building Fund,	198,660.83	
G. H. Gay Fund,	6,511.08	
Convalescent Fund,	138,320.66	
Dr. J. H. Whittemore Memorial Fund,	33,720.00	
S. R. Urbino Fund,	5,000.00	
Samuel Cabot Fund,	1,000.00	
Hibbard Occupation Fund,	1,000.00	20.00
Redman Annuities,	11,600.00	
General Fund,	1,153,582.23	
Suspense (see "Reversions"),	10.00	
Joy Annuitants,	50.00	
Notes Payable,	4,500.00	
Subscribers to Free Beds for 1889,	5,125.00	
	$2,907,188.07	$4,225.38
	4,225.38	
	$2,911,413.45	

Property on hand belonging to the Corporation invested as follows: —

INVESTMENTS PRODUCING NO INCOME.

Asylum:	Land and Buildings occupied for Asylum,	$320,794.75	
	Superintendent's balance,	26,853.58	
Hospital:	Land and Buildings occupied for Hospital,	605,426.54	
	Resident Physician's balance,	1,780.65	
Convalescent Home:	Land and Buildings at Belmont,	90,200.51	
	Memorandum of expectancies,	80.00	
			$1,045,136.03

INVESTMENTS PRODUCING INCOME.

Policies Mass. Hospital Life Ins. Co.,	$160,000.00
500 shares Mass. Hospital Life Ins. Co.,	50,000.00
$50,000 Eastern Railroad Co.'s 6 per cent. Bonds,	50,000.00
$20,000 Kansas City & Cameron Railroad 10 per cent. Bonds,	20,000.00
$5,000 Boston & Albany Railroad Co.'s 7 per cent. Bonds,	5,000.00
$100,000 Chicago, Bur. & Quincy R.R. 7 per cent. Bonds,	100,000.00
$52,000 Chicago, Bur. & Quincy R.R. 5 per cent. Bonds,	52,000.00
$11,000 Chicago, Bur. & Quincy R.R. 4 per cent. Bonds,	11,000.00
$30,000 Chicago, Bur. & Northern R.R. 5 per cent. Bonds,	30,000.00
$25,000 Chicago, Bur. & Northern R.R. 6 per cent. Bonds,	25,000.00
$100,000 Atch., Topeka & Santa Fé R.R. 7 per cent. Bonds,	100,000.00
$100,000 Atch., Top. & Santa Fé R.R. Coll. Tr. 5 per cent. Bonds,	91,500.00
$50,000 Atch., Top. & Santa Fé R.R. 4 1-2 per cent. Bonds,	50,000.00
$1,000 Atch., Topeka & Santa Fé R.R. 6 per cent. Bond,	1,000.00
$40,600 Bur. & Mo. River in Neb. R.R., Non-ex. 6 per cent. Bonds,	40,600.00
$10,000 Bur. & Mo. River in Neb. R.R., Exempt 6 per cent. Bonds,	10,000.00
$10,000 Atchison, Topeka & Santa Fé R.R. Land Grant 7 per cent. Bonds,	10,000.00
$10,000 Kansas City, Topeka & Western R.R. 7 per cent. Bonds,	10,000.00
$7,000 Cedar Rapids & Mo. River R.R. 7 per cent. Bonds,	7,000.00
$5,000 Bur., Cedar Rapids & Northern R.R. 5 per cent. Bonds,	5,000.00
$4,000 Ft. Scott, So. Eastern & Mem. R.R. 7 per cent. Bonds,	4,000.00
$10,000 Fremont, Elkhorn & Mo. Valley R.R. 6 per cent. Bonds,	10,000.00
$30,000 Union Pacific R.R. Skg. Fd. 8 per cent. Bonds,	30,000.00
$16,000 Old Colony Steamboat 6 per cent. Bonds,	16,000.00
$2,000 City of Providence 5 per cent. Bonds,	2,000.00
Amount carried forward,	$890,100.00

Amount brought forward,	$890,100.00
$6,000 City of Kansas 8 per cent. Bonds,	6,000.00
$3,000 City of Charlestown 6 per cent. Bonds,	3,000.00
$1,000 City of Lynn 6 per cent. Bonds,	1,000.00
$1,000 City of Chelsea 6 per cent. Bonds,	1,000.00
100 Shares Old Colony R.R. Co.,	10,000.00
155 " Boston & Albany R.R. Co.,	15,500.00
14 " Merrimack Manufacturing Co.,	14,000.00
1 Share Appleton " "	1,000.00
9 Shares Amory " "	900.00
14 " Amoskeag " "	14,000.00
25 " Great Falls " "	2,500.00
5 " Boston " "	5,000.00
10 " Stark Mills " "	10,000.00
100 " National Union Bank,	10,000.00
100 " Suffolk National Bank,	10,000.00
70 " Tremont " "	7,000.00
25 " Old Boston " "	2,500.00
87 " State " "	8,700.00
100 " Columbian " "	10,000.00
160 " Merchants' " "	16,000.00
50 " New England National Bank,	5,000.00
40 " Massachusetts " "	10,000.00
50 " Eagle " "	5,000.00
Land and Store, 17 Blackstone Street,	19,600.00
" " " 168 Washington Street,	45,000.00
" " House, 61 Dartmouth Street,	10,000.00
Redman Estate, Washington Street,	106,000.00
Building on Floral Place,	46,794.41
Land and Store, 496 Washington Street,	55,500.00
Land and Houses on Warrenton Street,	17,700.00
" " " " Chambers Street,	23,900.00
" " " " Cross Street,	9,191.64
" " House " Poplar Place,	2,500.00
Union Block, Union and Marshall Streets,	66,875.00
Robertson House, Hanover Street,	40,125.00
Real Estate, Fruit Street and vicinity,	89,172.24
Land and Buildings on Washington and Kneeland Streets,	150,000.00
Notes secured by Mortgage,	102,100.00
Delaware Mutual Ins. Co. Scrip,	520.00
Cash,	23,099.13
Investments producing income,	$1,866,277.42
The land and buildings on Washington Street, corner of Kneeland Street, were bought subject to a mortgage of $200,000, due May 26, 1890.	
Investments producing no income,	1,045,136.03
Total, foot of Trial Balance,	$2,911,413.45

F. HAVEN, Jr., *Treasurer.*

TABLE OF THE EXPENSES OF THE HOSPITAL AND ASYLUM FOR TWENTY-SEVEN YEARS,—1862 TO 1888.

Ordinary Expenses.

Year.	Cost of Paying Patients.	Cost of Free Patients.	Other Charities.	Total Expenses of		Average cost per week per patient.		Cost over Board.	
	Hospital.	Hospital.	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.
1862	$6,628.65	$35,072.01	$414.15	$42,114.81	$71,823.46	$6.04	$7.27	$36,260.92	$6,640.81
1863	6,151.27	40,575.14	695.30	47,421.71	69,300.63	6.66	6.98	41,109.46	2,170.56
1864	10,224.81	49,286.53	648.21	60,159.55	101,484.38	8.38	9.76	52,445.01	4,523.85
1865	23,119.62	34,131.83	717.35	57,968.80	120,885.84	9.86	12.49	43,121.53	9,507.86
1866	30,086.08	37,538.12	1,162 60	68,786.80	126,015.83	13.88	12.30	53,809.36	558.19
1867	26,086.67	33,758.02	1,164.53	61,009 22	133,844.14	11.28	13.84	44,291.54	
1868	23,663.50	42,481.71	1,419.26	67,564.47	142,535.36	12.74	16.51	52,893.02	14,642.07
1869	20,128.86	40,736.44	1,373.30	62,238.60	138,132.02	10.14	14.21	48,811.90	
1870	15,844.35	46,087.42	883.05	62,814.82	134,339.63	10.05	13.83	50,811.01	
1871	15,266.51	47,126.12	1,133.74	63,526.37	146,191.23	9.96	15.80	52,447.68	9,996.88
1872	12,664.70	56,537.74	1,497.86	70,700.30	153,327.60	10.10	16.93	59,547.91	14,917.57
1873	16,681.66	69,109.97	2,135.29	87,926.92	165,023.79	10.29	19.23	72,435.94	26,404.27
1874	14,198.41	64,266.27	2,634.60	81,099.28	161,934.11	10.13	19.59	67,548.81	2,750.66
1875	10,677.72	71,447.23	1,761.59	83,886.54	165,660.47	9.72	21.07	71,989.93	11,872.47
1876	11,344.58	82,033.60	1,312.94	94,691.12	164,973.80	9.41	19.72	82,027.86	13,019.51
1877	10,833.10	72,678.63	279.16	83,790.89	143,148.94	9.47	15.66	72,957.79	
1878	11,252.42	85,102.61	588.98	96,944.01	136,394.36	9.87	15.55	83,516.61	
1879	11,564.44	77,216.88	514.25	89,295.57	117,250.02	10.54	14.30	73,440.58	
1880	10,529.35	81,085.73	462.82	92,077.90	131,172.69	10.39	16.48	79,280.61	10,078.33
1881	13,462.12	88,241.17	450.51	102,153.80	134,561.14	11.87	16.92	88,268.68	20,719.30
1882	12,947.98	95,642.45	8,928.82*	117,519.25	138,518.26	12.43	17.02	95,684.95	18,172.21
1883	18,389.28	90,665.70	6,575.92*	115,630 90	139,711.39	12.63	16.16	91,213.57	5,376.89
1884	21,476.00	101,954.31	6,873.69*	130,304.00	139,201.67	14.75	16.00	107,974.18	2,612.02
1885	10,728 87	93,411 59	8,483.90*	112,624.36	140,278.86	11.99	15.72	87,464.96	
1886	13,423.09	99,054 20	10,831.84*	123 309.13	144,374 33	12.50	15.94	96,986.71	5,805.42
1887	15,337.90	105,543.61	9,856.94*	130,738.45	139,497.70	12.56	16.35	105,012.17	15,049.93
1888	15,594.88	119,634.59	10,785.86*	146,015.33	139,178.98	13.47	15.98	112,220.05	7,788.28
7 years, ...								$1,923,572.74	$202,607.08

* Including Convalescent Home.

Annual Report of the Resident Physician

of the

Massachusetts General Hospital

For the Year 1888.

Number of Patients in the Hospital January 1, 1889.

Paying,	17
Free,	182
Total,	199

Admitted from January 1, 1888, to January 1, 1889.

	Males.	*Females.*	*Total.*
Patients paying board,	362	191	553
Patients paying board part of the time,	103	51	154
Patients entirely free,	1,453	1,096	2,549
	1,918	1,338	3,256

	Medical.	*Surgical.*
Males (Boys), 125,	650	1,268
Females (Girls), 64,	635	703
Children (2), 41,		
	1,285	1,971

Of these, 1 paid $56; 1 paid $50; 63 paid $35; 29 paid $21; 201 paid $14; 7 paid $10.50; 6 paid $10; 273 paid $7; 1 paid $6; 19 paid $5; 3 paid $3.50; 2 paid $3.00.

Whole number of patients treated during the year: paying, 570; paying a part of the time, 154; free, 2,731; total, 3,455.

Discharged during the Year.

	Medical.	*Surgical.*	*Male.*	*Female.*	*Total*
Well,	703	1,318	1,212	809	2,021
Much relieved,	135	138	149	124	273
Relieved,	174	193	189	178	367
Not relieved,	53	47	57	43	100
Not treated,	51	159	107	103	210
Dead,	136	141	191	86	277
Insane and eloped,	4	6	8	2	10
	1,256	2,002	1,913	1,345	3,258

Number of Patients remaining December 31, 1888.

Males,	115
Females,	84
Total,	199
Paying,	17
Free,	182
Total,	199
Medical,	80
Surgical,	119
Total,	199

Proportion of deaths to whole number of results, 8.50 per cent.

Number of patients received on account of accidents, 496.

The greatest number of paying patients at any one time was 42; in private rooms, 8; the greatest number of free patients, 194; the greatest total, 215. The least number of paying patients at any one time was 14; in private rooms, 3; the least free, 113; the least total, 156.

The proportion of ward beds occupied by free patients was 80 per cent.; by paying patients, 20 per cent.

About 16.4 of the paying patients occupied private

rooms. The average number of patients was 193: males, 114; females, 79.

The average number of paying patients was 23: Americans, 15; foreigners, 8.

The average number in private rooms was 6.

The average number of free patients was 170: Americans, 80; foreigners, 90.

The average time of paying patients was 2.16 weeks; and that of free patients, 3.46.

Residences.

Boston,	1,107
Massachusetts (excepting Boston),	1,850
Maine,	45
New Hampshire and Vermont,	94
Rhode Island and Connecticut,	41
Other States,	57
British Provinces,	62
	3,256

Birthplaces.

Boston,	216
Massachusetts (excepting Boston),	916
Maine,	172
New Hampshire,	106
Vermont,	61
Rhode Island and Connecticut,	57
New York,	54
Southern and Western States,	68
Total Americans,	1,650
British Provinces,	347
Great Britain,	205
Ireland,	857
Germany,	45
Norway and Sweden,	55
France,	39
Switzerland,	3
Italy,	22
Other places,	33
Total foreigners,	1,606

Occupations.

Males.	*Paying.*	*Free.*	*Partial.*
Mechanics,	79	326	32
Laborers,	25	400	23
Farmers,	36	70	7
Minors,	14	120	10
Seamen,	12	62	8
Clerks,	55	98	4
Teamsters,	20	68	6
Traders,	19	76	10
Servants,	4	88	3
Lawyers,	11	2	
Clergymen,	5	5	
Physicians,	8	8	
Merchants,	48	23	
Students,	13	43	
Other professions,	13	64	
	362	1,453	103

Total males, 1,918. Of these, 63 were in private rooms.

Females.	*Paying.*	*Free.*	*Partial.*
Domestics,	15	341	11
Minors,	9	78	6
Wives,	118	388	30
Widows,	24	88	4
Seamstresses,	1	43	
Spinsters,	12	31	
Operatives,		14	
Teachers,	1	14	
Clerks,	3	14	
Nurses,	2	33	
Other professions,	6	52	
	191	1,096	51

Total females, 1,338. Of these, 28 were in private rooms.

13 per cent. of the free patients were female domestics; 15 per cent. were laborers; 12 per cent. were mechanics; and 7 per cent. were minors.

Admissions Refused.

Phthisis (Consumption),	13
Chronic Ulcers,	8
Scrofula and Abscesses,	2
Hip and Spine,	12
Debility and Senility,	7
Paralysis,	13
Epilepsy,	3
Of Skin,	7
Other diseases,	18
Total,	83

Males,	51
Females,	32
Americans,	53
Foreigners,	30
Residents of Boston,	22
Residents of Massachusetts,	39
Residents of other places,	22

Out-patients.

Number of new patients,	19,472
Men,	8,041
Women,	7,460
Children,	3,971
Americans,	10,082
Foreigners,	9,390
Residents of Boston,	10,801
Of other places,	8,671
Medical department for women,	4,162
Medical department for men and children,	4,300
Surgical department,	6,265
Ophthalmic department,	591
Department for diseases of the skin,	1,908
Department for diseases of the nervous system,	807
Department for diseases of the throat,	1,439

Total attendance, 50,073.

Average daily attendance, 160.

Of the surgical cases there were: —

Head and face,	427
Abscesses and Inflamed Glands,	569
Fractures of clavicle,	89
Trunk,	216
Shoulder joint and humerus,	253
Elbow,	164
Forearm and wrist,	429
Hand,	903
Felons,	301
Thigh, leg, ankle, foot,	635
Knee,	283
Genito-urinary,	624
Disease of rectum,	205
Hernia,	72
Tumors, malignant,	156
Tumors, benignant,	125
Bones and Periosteum,	161
Ulcers,	173
Rheumatism and Neuralgia,	96
Burns and Miscellaneous,	384
Total,	6,265

Number of applicants,	16,021
Number admitted,	14,754
Number refused,	429
Number sent to physician's office,	838
Number visited,	1,203
Number visited, correct statement,	723
Number visited, incorrect statement,	480

Convalescent Home: —

Admitted to the Home in 1883,	101
Admitted to the Home in 1884,	187
Admitted to the Home in 1885,	315
Admitted to the Home in 1886,	295
Admitted to the Home in 1887,	308

	Males.	*Females.*	*Total.*
Remaining Jan. 1, 1888,	8	8	16
Admitted during 1888,	224	173	397
Total,	232	181	413
Discharged,	220	174	394
Remaining Jan. 1, 1889,	12	7	19

The Young Men's Christian Union gave us forty-four rides, taking out one hundred and seventy-six patients.

Respectfully submitted,

JOHN W. PRATT,
Resident Physician.

Boston, Jan. 1, 1889.

TABLE SHOWING THE COST OF THE PRINCIPAL STORES AT THE MASSACHUSETTS GENERAL HOSPITAL.

Articles.	1880.			1881.			1882.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, Sirloin, lbs.	8,815	$1,692.99	.1941	8,658	$1,792.20	.207	7,856	$1,931.95	.245
" for Soup, "									
" Corned, "	4,952	346.64	.07	5,183	367.99	.07	6,522	673.76	.103
" Round, "	16,414	1,148.98	.07	19,477	1,636.06	.084	19,705	1,976.68	.103
" Rump, "									
" Roasting, "	16,439	1,643.90	.10	16,438	1,758.86	.107	16,221	2,159.07	.133
Mutton, . . "	15,522	1,876.60	.1208	21,093	2,720.99	.129	16,365	2,216.01	.135
Poultry, . . "	13,682	2,123.44	.1552	13,562	2,278.41	.168	12,082	2,348.41	.195
Butter, . . . "	11,011	3,366.06	.3057	11,129	3,505.63	.315	16,843	3,770.97	.221
Eggs, . . doz.	4,214	866.39	.2056	4,401	1,188.27	.26	5,234	1,470.59	.281
Flour, . . bbls.	51	440.15	8.65	49	468.73	9.565	49	459.25	9.937
Bread, . . lbs.	40,536	2,026.80	.05	4,892	1,744.60	.05	35,340	1,943.70	.055
Ice, . . . tons.	280½	1,297.56	4.63	305	887.55	2.91	352¾	737.72	2.209
Sugar, . . lbs.	21,005	2,003.87	.0954	20,552	1,901.06	.09	22,192	2,021.57	.091
Tea, . . . lbs.	1,134½	471.95	.416	555	244.22	.44	1,114	446.85	.401
Milk, . . . qts.	89,904½	4,495.22½	.05	92,350	4,617.50	.05	95,358	5,007.70	.052
Potatoes, . bush.	1,039½	902.58	.868	981	1,101.66	1.125	1,005	1,374.72	1.368

Articles.	1883.			1884.			1885.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, Sirloin, lbs.	8,793	$1,975.38	.224	8,845½	$2,183.64	.246	9,543	$2,160.12	.226
" for Soup, "									
" Corned, "	6,925½	670.88	.095	6,487	583.08	.09	6,345	561.45	.088
" Round, "	22,327	2,120.83	.095	25,821	2,531.60	.098	25,140	2,220.83	.08
" Rump, "									
" Roasting, "	16,962	2,047.78	.120	16,438	2,003.44	.121	17,220	1,936.58	.112
Mutton, . . "	21,075	2,999.89	.142	15,186½	2,102.29	.138	13,189	1,585.60	.12
Poultry, . . "	10,263	2,318.56	.225	12,798	2,523.79	.197	12,149	2,256.88	.185
Butter, . . . "	10,468	3,329.97	.317	11,321	3,636.60	.32	11,447	3,368.27	.294
Eggs, . . doz.	5,479	1,491.60	.272	8,374	2,182.67	.26	9,433	2,328.48	.25
Flour, . . bbls.	52	406.00	7.80	53	383.25	7.23	55	341.85	6.21
Bread, . . lbs.	34,971	1,923.42	.055	36,245	1,992.48	.054	36,685	2,017.67	.055
Ice, . . . tons.	380 1/10	679.27	1.78	407.55	773.20	1.89	433.65	966.57	2.22
Sugar, . . lbs.	20,980	1,801.38	.086	22,474	1,563.49	.069	21,245	1,288.65	.06
Tea, . . . lbs.	1,074	432.60	.402	1,080	435.85	.403	853	341.70	.40
Milk, . . . qts.	106,032	5,637.78	.053	111,068½	5,907.26	.053	110,332	5,943.84	.053
Potatoes, . bush.	1,062½	1,129.15	1.063	1,195	1,005.25	.917	1,158	1,001.25	.942

Articles.	1886.			1887.			1888.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, Sirloin, lbs.	9,764	$2,206.32	.225	9,516	$1,972.84	.20	10,224	$2,394.77	.23
" Corned, "	6,216	493.61	.08	6,051	423.57	.07	6,019	421.33	.07
" Round, "	28,474	2,456.05	.088	29,957	2,310.12	.077	31,966	2,624.93	.08
" Rump, "									
" Roasting, "	18,346	1,972.72	.10	18,928	1,652.59	.08	18,054	1,831.18	.10
Mutton, . . "	11,721	1,536.20	.12	12,900	1,357.82	.11	11,775	1,472.68	.125
Poultry, . . "	13,704	2,286.25	.16	14,997	2,390.26	.15	14,242	2,321.90	.16
Butter, . . "	12,122	3,576.20	.294	12,848	3,761.27	.29	13,103	3,897.19	.29
Eggs, . . doz.	8,971	2,091.22	.25	9,654	2,460.78	.27	11,201	3,060.25	273
Flour, . . bbls.	55	316.55	5.75	55	304.10	5.56	64	390.75	6.10
Bread, . . lbs.	35,688	1,962.83	.055	40,353	2,219.40	.055	37,270	2,049.87	.055
Ice, . . . tons.	487.52	1,123.21	2 30	512.15	1,177.25	2.30	433.98	1,060.98	2.44
Sugar, . . lbs.	23,042	1,357.59	.055	22,604	1,385.12	.06	23,563	1,717.13	.07
Tea, . . . lbs.	1,205	482.00	.40	1,265	495.44	.39	1,859	733.24	.40
Milk, . . . qts.	113,669	6,054 88	.052	134,232	7,150.11	.052	144,823	7,704.16	.053
Potatoes, . bush.	1,100	1,021.77	.928	1,215	1,352.92	1.11	1,080	1,098.30	1.01

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS AT THE MASSACHUSETTS GENERAL HOSPITAL, FROM SEPTEMBER 3, 1821, TO DECEMBER 31, 1888.

Year.	Total admitted.	Free.	Paying board all the time.	Paying part of the time.	Whole number treated. Pay'g board.	Paying board part of time.	Free.	Discharged well.	Percentage on "Total admitted."	Much relieved, or relieved in part.	Not relieved.	Not treated, unfit, dismissed, etc.	Deaths.	Percentage on "Total admitted."	Greatest number free at one time.	Greatest number paying at one time.	Greatest total.	Least total.	Average.	Accidents.	Percentage.	Average time of paying weeks.	Average time of free weeks.	Patients remaining under treatment Dec. 31. Paying.	Free.	Out-patients treated.
21 to 1843	8727	3733	4482	512				3991		2902	913	105	624				123	54								
1843	365	183	167	15				136	37	115	55	17	41	11		...	56	33	47*			4	6			
1844	435	250	174	11				183	43	137	41	23	47	11		30	71	40	53	55	12*	3 6-7	7 1-7			
1845	453	265	176	12				205	45	130	37	28	54	12	44	34	72	37	56	62	14	5 4-7	6 6-7			
1846	459	250	182	27				211	46	137	30	33	36	8	44	28	72	37	55	59	13	3 1-2	4 3-4			
1847	674	354	279	41				310	50	145	54	30	57	8	82	41	123	54	81	74	11	3 1-2	4 1-2			328
1848	804	460	283	61				400	50	219	52	39	103	13	86	38	124	94	108	103	12*	3 1-7	5			378
1849	870	543	273	54				436	50	218	75	58	84	9	89	38	127	90	112	97	11	2 4-7	5 5-7			272
1850	746	427	242	77				363	48	200	56	49	76	10	103	33	136	83	108	98	13	2 6-7	6			294
1851	839	477	298	64				387	46	235	47	63	98	11	93	48	141	77	112	123	15	3	6			237
1852	826	472	271	83				410	50	234	52	47	82	10	105	41	133	104	119	132	16	3 1-4	5			248
1853	925	505	335	85				431	46	287	70	66	82	9	108	39	142	108	120	159	17	3 1-6	7			358
1854	922	490	321	111				423	46	257	73	41	115	12	112	45	145	125	133	212	23	4	10			477
1855	915	416	352	147				456	50	238	59	51	102	11	107	59	152	114	134	157	17 3-10	3 3-7	11 4-7			645
1856	976	545	335	96				478	49	230	77	71	117	12	114	48	153	120	140	189	19	3	5			887
1857	920	549	280	91				510	55	195	57	66	130	14	119	40	157	103	128	163	17 7-10	2 2-3	5			1574
1858	1015	718	251	46				514	50	229	65	50	127	13	120	31	144	91	123	186	18*	4	7*			2223
1859	1240	934	257	49	287	49	1040	653	53	280	54	94	141	11	145	37	165	92	131	212	17	4	4 2-3	14	140	3523
1860	1240	997	201	42	215	42	1137	698	56	305	73	58	121	9¾	149	33	175	80	128	233	18 7-10	4	6	15	121	4433
1861	1416	1131	253	32	268	32	1252	831	59	318	79	57	99	7	135	37	162	120	140	297	21	4	5 3-4	16	124	4676
1862	1611	1175	425	11	441	11	1299	843	52	431	77	154	101	6¼	133	45	166	102	134	271	16 3-4	2 1-10	4 1-10	25	120	4800
1863	1648	1348	283	17	308	17	1468	856	52	459	96	70	162	9¾	135	29	158	116	137	292	17 7-10	3 4-10	4	24	126	4987
1864	1199	1262	326	11	350	11	1388	916	57	390	84	61	130	8	139	33	157	110	138	242	15 2-10	3.18	4.37	25	123	5619
1865	1199	564	567	68	592	68	687	702	59	295	68	74	104	8¼	137	72	164	88	113	140	11 7-10	3.67	4.85	45	59	5356
1866	1120	497	578	45	693	45	556	677	60	82	50	74	96	8½	62	58	109	78	95	132	11 7-10	3.40	5.10	45	50	5608
1867	1206	626	556	24	601	24	676	676	56	282	62	141	94	7.8	77	62	126	72	104	113	9.36	3.37	4.26	39	69	4553
1868	1265	771	463	31	302	31	840	757	60	258	64	82	85	7	97	56	132	69	102	98	7.74	3.00	3.50	31	96	5264
1869	1390	834	532	24	563	24	930	771	55½	352	78	84	107	7.7	98	55	139	90	118	93	6.69	3.40	4.30	25	100	6953
1870	1302	858	414	30	439	30	958	780	60	303	65	68	85	6.45	106	45	137	98	120	140		3.37	4.82	24	86	8767
1871	1427	970	432	25	456	25	1056	821	57½	322	58	73	109	7.64	126	43	154	91	122	178		3.12	3.92	28	126	9792
1872	1547	1163	368	16	396	16	1289	958	62	313	76	84	120	7.75	133	42	160	97	135	259		3.15	4.35	30	120	11878
1873	1550	1075	411	64	441	64	1195	880	57	321	66	86	186	12	156	44	187	129	156	291		3.28	6.09	35	126	13517
1874	1639	1125	394	120	429	120	1251	946	57½	396	81	102	127	7.69	146	41	183	111	149	234		2.73	5.64	28	120	15612
1875	1841	1445	308	88	336	88	1565	1032	56	380	78	120	189	10.27	176	81	199	132	166	285		2.82	5.18	26	164	16993
1876	1906	1532	282	92	308	92	1696	1019	53½	502	91	144	150	7.86	182	36	210	163	185	245		3.22	5.73	19	171	17292
1877	1657	1270	339	48	358	42	1441	930	50	409	92	130	130	7.68	178	33	194	135	164	147		2.84	5.54	11	145	18004
1878	1794	1433	323	38	334	38	1578	956	50	505	59	138	134	7.46	170	34	187	132	165	200		2.80	5.27	17	141	18744
1879	1813	1436	335	42	352	42	1577	1040	57	422	84	125	143	7.94	165	30	188	131	163	222		2.84	5.16	17	140	18960
1880	2123	1724	354	45	371	45	1864	1186	54	545	74	150	151	7.16	165	35	188	156	170	351		2.58	4.53	17	157	20566
1881	2106	1678	402	26	419	26	1835	1324	62	429	70	103	189	8.96	168	39	195	139	166	391		2.79	4.41	15	140	18443
1882	2147	1736	399	12	414	12	1876	1312	61	463	59	13	177	8.13	167	35	195	143	168	348		2.84	4.41	24	141	16304
1883	2020	1492	449	79	473	79	1633	1286	63	378	61	108	181	8.93	168	49	189	143	168	432		2.75	4.80	32	128	7102*
1884	2096	1667	382	47	448	47	1815	1318	62	367	68	137	191	9.11	159	40	186	129	165	397		3	4.14	19	148	14824
1885	2327	1910	371	46	382	46	2044	1584	68	361	73	129	192	8.25	166	26	184	147	167	443		2.38	4.08	11	134	17016
1886	2580	2124	392	64	409	64	2283	1689	65	411	64	175	192	7.44	178	30	206	133	173	471		2.78	3.72	17	159	17925
1887	2814	2340	429	45	447	45	2523	1694	60	565	89	173	245	8.70	196	40	217	150	185	490		2.90	3.57	18	183	18981
1888	3256	2549	553	154	570	154	2731	2021	61	640	100	210	277	8.50	194	42	215	156	193	496		2.16	3.46	17	182	19472
	73750							31030		17592	4006	4149	6283													365885

*Out-patient Department open only five months.

Massachusetts General Hospital.

The Massachusetts General Hospital is a private, not a public institution.

Applications for admission of patients must be made at the Hospital on Blossom Street, Boston, on week-days, between the hours of 9 and 11 A.M. and 2 and 3 P.M.

Recent accidents admitted at all hours.

Out-patients received between 9 and 10 A.M., week-days only.

Applications from a distance must be made in writing, accompanied by a full description of the case by the attending physician, and, when a Free Bed is desired, by a statement of the pecuniary condition of the patient, and wait for a reply before sending the patient.

Contagious and chronic diseases are not admitted.

Regular charges to paying patients are as follows: in the Jackson Ward (private), $50 per week; in small room in the Townsend and Bigelow Wards, $25 per week; in the General Wards, $10 per week. These rates, covering only expenses of board and lodging, may be increased or abated in individual cases by the Resident Physician.

JOHN W. PRATT,
Resident Physician.

THE AMBULANCE

OF THE

MASSACHUSETTS GENERAL HOSPITAL,

Accompanied by a medical officer, will be despatched to any point within the city proper for the conveyance of cases of *accident* or *urgent sudden sickness*, *not contagious*, to this Hospital, or elsewhere, upon notice from a physician, the police, or other responsible source, subject to the approval of the undersigned.

In cases requiring gratuitous treatment, no charge will be made.

By order of the Board of Trustees.

JOHN W. PRATT,
Resident Physician,
Mass. Gen. Hospital, Blossom St.

SEVENTY-FIRST ANNUAL REPORT

OF THE

SUPERINTENDENT OF THE McLEAN ASYLUM FOR THE INSANE,

TO THE

TRUSTEES OF THE MASS. GENERAL HOSPITAL,

For the Year 1888.

TO THE TRUSTEES OF THE MASSACHUSETTS GENERAL HOSPITAL:

Gentlemen, — The following report, with tabular statements relating to the number and condition of the patients treated in the Asylum during the year 1888, is respectfully presented: —

TABLE No. 1.

GENERAL STATISTICS OF THE YEAR.

	Males.	Females.	Total.
Patients in the Asylum, Jan. 1, 1888, . . .	74	90	164
Admissions within the year, ...	47	58	105
Whole number of *cases* within the year, . .	121	148	269
Discharged within the year, ...	45	58	103
Namely,— as Recovered, ...	16	26	42
Much improved, ...	6	7	13
Improved, ...	3	5	8
Unimproved, ...	7	10	17
Deaths, ...	13	10	23
Patients remaining Dec. 31, 1888, supported as private patients, ...	76	90	166
Number of different *persons* within the year,	119	145	264
" " " " admitted, . .	46	56	102
" " " " recovered, . .	17	25	42
Daily average number of patients, ...	76.44	88.17	164.61

During the year one man and two women were twice admitted. One woman present at the beginning of the year was discharged and readmitted; and one man was discharged, readmitted, and discharged. Thus there were two hundred and sixty-nine cases treated, representing two hundred and sixty-four persons.

Of the one hundred and two persons admitted during the year, sixty-four were regarded as recent cases, and thirty-eight as chronic, or incurable.

Seventy-nine persons, thirty-eight men and forty-one women, had never been in any hospital. Of the remaining twenty-three persons, ten, four men and six women, were admitted for the second time; five persons, two men and three women, for the third time; four persons, one man and three women, for the fourth time; three persons, one man and two women, for the sixth time; one woman for the seventh time; and one woman for the thirteenth time.

Thirty-five cases — representing thirty-four persons, eleven men and twenty-three women — were admitted as voluntary patients upon their own written applications. Of these, eighteen were cases of melancholia, eight of mania, one of "fixed ideas," three of delusional insanity, two of senile insanity, one of secondary dementia, and one of general paralysis. Of these thirty-four persons, three were committed after entering the Asylum as voluntary cases, and one was twice admitted as a voluntary case. The thirty-five voluntary cases admitted during the year furnished eight recoveries; and twenty-seven such cases remaining from previous years furnished six other recoveries during this year, making a total of fourteen recoveries out of sixty-two cases,— the total number of this class under treatment during the year. Thus, the voluntary patients have yielded 40 per cent. of recov-

eries on the admissions of that class for 1888. Of this class admitted during the year, six other cases were discharged improved or much improved, eight not improved, and one dead. Of these thirty-five cases admitted in 1888 there were remaining, at the end of the year, eighteen persons, three men and fifteen women; and eleven persons, six men and five women, also remained from the admissions of previous years, so that the total remaining under the voluntary relation is twenty-nine persons, nine men and twenty women.

The number of persons admitted as voluntary patients under the present law is as follows: namely, 1881, 1; 1882, 11; 1883, 33; 1884, 49; 1885, 34; 1886, 29; 1887, 29; 1888, 34,— a total of 220 persons in eight years.

In 1888 there were thirty more admissions, twenty-five more discharges, and twenty-seven more cases under treatment than during the year 1887; and the number present was two more at the end than at the beginning of the year.

Of the one hundred and two persons discharged, including deaths, ten, four men and six women, were transferred to other hospitals in this State, and two women to hospitals in other States.

Of the forty-two persons discharged recovered, thirty-three had never before been inmates of any hospital; and, of the remaining nine persons, six had been in this Asylum, two in Boston Lunatic Hospital, and one in a foreign asylum. These nine persons had previously made twenty-nine recoveries.

The average duration of illness from the beginning of attack in all cases recovered was 14.55 months, and the average duration of their residence in the Asylum was 8.77 months.

The percentage of recoveries on all admissions,

for the year 1888, was 40. There were sixteen more recoveries than in the previous year, and the proportion of recent cases to the admissions was not more than in five of the nine preceding years. There were twenty-three deaths, six more than last year.

The work of the year, as to the numbers admitted, discharged, and recovered, and the daily average under treatment, was much more than that of last year. With sixteen more recoveries, the percentage of recoveries on admissions was increased 5.3, or 1.3 over that of the next preceding year.

The number of voluntary cases admitted was exactly one-third of all the admissions. The percentage of recoveries furnished by this class was the same as that of the other class, showing that no advantage in this regard is derived from the voluntary cases. The admissions, recoveries, and the relative percentages, during the last nine years, have been as follows: —

	Admissions.	*Recoveries.*	*Percentage.*
1880	51	12	23.53
1881	66	14	21.21
1882	82	26	30.48
1883	109	37	33.94
1884	113	34	30.09
1885	95	37	38.05
1886	93	36	38.7
1887	75	26	34.7
1888	105	42	40.

The important improvement made in the construction of the cottage building occupied by excited female patients, though not quite completed, is already contributing to their comfort and the convenience of their care. The new corridor, giving separate and direct entrance to the different sections of each of the cottage wards, made by new partitions, with wide folding-doors, is to be complemented by the arrangement of a way of approach for carriages, so that

patients newly admitted can be received into more secluded rooms, and kept apart from others, when it is required. The rearrangement of the Belknap Ward on the ground floor, for use as a small infirmary ward, with exit from it by a casement window directly upon a roomy and a sunny veranda shaded by an awning in summer, has proved most useful for some of the weaker patients. They were also easily taken out of doors, to lie upon cots under the trees in the garden, or to be moved about in wheeled chairs; and thus many hours were spent in the open air, with evident curative effects.

The enlargement of the building in the ladies' garden, formerly devoted to billiards and bowling, is now quite completed, permitting its continued use for those recreations, and at the same time constituting a gymnasium equipped with modern apparatus. The aim is to apply to therapeutic uses, by the newest scientific methods, the systematic practice of physical training, adapting it to the individual need of each patient for whom it shall be prescribed. This is a practical enlargement of the principle upon which massage has been largely and successfully applied through the teaching of our nurses in the art of giving it. In like manner, a part of the training of every nurse is to give such knowledge of physical training as will make it possible to individualize the supervision of such exercise for each patient likely to be benefited by it. Not only this, but it is believed that it will be valuable in many cases in private practice, if the physician can find in his patient's nurse some knowledge and experience in this regard. The system is to be introduced here by a competent teacher from the Allen Gymnasium in Boston, where a class of the Asylum nurses is already under training. Miss Allen is entitled to our thanks for her

helpful interest in this matter. This training of the nurses is normal in its character,— they are taught not only the practice, but so much of the theory of the medical uses of physical exercise as to be enabled to apply it intelligently to others. This is easily possible with the trained nurse properly instructed as to the mechanism of the body, and in observing the physical signs of the effects of such exercise. A further benefit may be derived for the patients in connection with this system. There will be evolved, in due time, the competent nurse who may become a permanent resident officer of the Asylum, having charge of all the work at the gymnasium, and also of the means of occupation, recreation, etc.,— in and out of doors. With such an officer in each department, male and female, efficiency and continuity could be given to useful methods that tend to become nobody's business because they are everybody's. In 1882, some pieces of gymnasium apparatus were obtained from Dr. Sargent of the Hemenway Gymnasium, for our male patients, as noted in the Asylum Report for that year. Some use has since been made of the apparatus, but more regularly and systematically during the past year, in which a number of patients have derived much benefit from systematic physical training. It has been surprising to see how a torpid melancholiac can have his interest aroused in the development of his biceps. Mention should be made of the successful management, by Dr. H. M. Locke of the Asylum medical staff, of a series of athletic sports and games. Much interest was excited in the process of playing for the championship, in the contests for which a considerable number of patients entered the lists. The preliminary games were played from time to time during two summer months; and the final contests at tennis, base-ball, croquet, quoits, billiards,

and running races, were witnessed by interested audiences of ladies and gentlemen. The general social effect as between patients and nurses, aside from the direct benefit of the exercise to the participants, was very good.

The Training School for Nurses gives evidence of progress in the enlargement and perfection of its work. The success of its graduates in private nursing outside of the Asylum, in general work as well as the special care of nervous and mental cases, is satisfactory proof of the correctness of the prevision as to the policy of the school. At the same time, the prediction is being fulfilled that an increasing number would, by preference, remain in, or return to, the service of the Asylum. The growing certainty of commanding equal compensation in private work with those trained in the general hospitals is already attracting applicants from more distant localities than before. The sources of supply have heretofore been almost limited to Northern New England and the provinces of Canada. In the class of 1888 were graduated five men and fifteen women, of whom twelve still remain. Of former classes, five are now in the service. The present senior class includes fifteen men and twelve women, and the junior class includes sixteen men and sixteen women. In the Appendix may be found the prospectus of the school and the form of application; also, the schedule of the course of study as printed for the convenience of the pupils. It is published here to serve as an answer to many inquiries as to how the school is organized, how the work is arranged, by whom the teaching is done, and what text-books are used. It will be seen that the share of the work assigned to the medical staff includes one hour per week for a lecture to the senior class (men and women together) by the medical super-

intendent, two hours for lectures by the first assistant, two hours for recitations to the second assistant, and a few hours in the whole term for demonstrations by the temporary third assistant. All the other teaching is done by the superintendent of the school and by supervisors and head nurses, except that the teachers of cooking and physical training are employed from outside the Asylum.

It is to be hoped that in the organization of the work of Asylum Schools the importance will be recognized of giving as full a training as possible in general nursing, as well as in the special care of the insane. The trained Asylum nurse should not be found at a loss, when called upon outside of the Asylums, to render the service that should be expected of a nurse. The larger the capacity to serve the public, in this regard, the greater the certainty of success in the profession of nursing. Such capacity has an immediate commercial value, and redounds in the end to the benefit of the Asylum in the attraction thus created for new applicants, to say nothing of the larger duty of the Asylum to serve the public in all that pertains to its special work. In becoming the source of good, it brings returns of good to itself. The specialist nurse will surely be a failure in this respect.

There is another important reason for giving every nurse as broad a training as possible in the general principles and practice of all nursing, just as a physician should receive a general education in the profession of medicine before he limits himself to a specialty. The danger and evil of all Asylum work is routine practice,— limitation to one line of observations,— to the neglect of bodily diseases in general. It is true that the majority of the population of all Asylums is in various stages of dementia; it may be true also that, as an eminent alienist says, not only the nurses,

but the medical staff, suffer from a tendency to the lowering of mental tone, because of the constant association with defective minds.

To counteract such tendencies, everything possible should be done to amplify the "hospital" idea in the work. The teaching of "bodily" nursing in a training school excites the interest not only of the nurses, but of the medical staff, in all the manifestations of bodily disorder that can be found, and lends value to the practical care of all morbid conditions. Routine and monotony kill interest when the aim is not beyond the simple care of many incurables: this is the bane of Asylum work. Let the most be made of all bodily and mental conditions as clinical data, and with knowledge of these even dements become interesting to the nurse. Here lies the way by which we must hope to interpose more intelligent efforts for the amelioration or prevention of such mental conditions, or, better, to arrest at an earlier stage the tendency to dementia. With the prevalence of the "hospital" spirit, the nurses become more alert in the recognition and reporting of both physical and mental symptoms; and the professional interest of the medical staff itself is quickened not only in the observation of the clinical material in hand, but to inform itself in regard to the subjects upon which instruction is to be given. Such work cannot be done without an important reflex benefit to the teachers.

The truth is that a large part of the benefit to the nurses individually, and therefore to the service in general, is in the mental development that comes from the mere fact of the study and the consequent mental training. It enlarges their power of observation and their ability to describe what they see. Moreover, all that is included in the teaching of general nursing, by text-books and lectures in the usual manner, is of

such direct value to the pupil, as so much useful knowledge in physiology and hygiene and what to do in emergencies, that it is at once so appreciated by intelligent persons. It is found that such subjects are interesting: the pupil sees the good of knowing something about them, and there is besides a wholesome stimulus in the expectation of rewards for the professional use of the knowledge they are gaining. Thus we have in our hands an effective means for arousing our households out of the ruts of deadening routine, by giving attention to a matter that is not only legitimate, but of imperative importance. There is ample time in a two years' course to cover the field of general nursing, as far as Asylum teaching can go, and the special nursing of the insane as well; and the latter is most easily and quickly taught and comprehended upon the basis of the former. Thoroughness in the work and careful preparation for it will bring the best and most lasting results to all concerned; and the narrow limitations of the training of nurses to only that which is immediately necessary for the insane is to be earnestly deprecated.

The general purpose which has governed the work of the past nine years here has led to the fostering of the "hospital" spirit in the nursing service and in the labors of the medical staff. It is believed that the effect of this is shown in the increased activity of the business of the Asylum and of the movement of its population,—the invitation it gives to the incoming of recent cases,—and the gradual increase in the number and percentage of recoveries, allowance being made for some degree of natural fluctuation in the numbers, as shown in the table upon a preceding page. Much prominence has been given in our annual reports to the "hospital idea," and the subject of the training of nurses. It is regretted if there has been

any misunderstanding of our aim and methods. It might be inferred that there is danger here of thinking more of these things than of the patients. It is enough to say that, as far as they are concerned, the school work is carefully kept behind the scenes, and the paramount theme of discourse and exhortation is what the nurse can do to get these sick people well. It seems well to say also that this whole matter is to be regarded as a means to an end,— one of the essential preliminaries to the advance that may be hoped for in the treatment of the insane. Dr. Ray has said of "the good attendant" that his "constant presence with the patients giveth him opportunity to see and hear much that may escape the attention of the officers in their casual visits, and his eyes and ears are ever open for this purpose." The nurse must always hold a place between the patient and the physician: the intelligent and well-trained nurse can be made an instrument of precision,— an efficient thinking instrument,— to aid the physician by close observations and to apply fittingly for him remedial influences that by their effects may enlarge his own knowledge.

These reflections perhaps need no justification; for, however one may theorize, these propositions here made are to be set down as demonstrated, and as facts of experience, in the work of this Asylum in all its history. If our present conclusions are correct, they stand as the result of logical aims, and represent the rewards of labors that were half annulled by the adverse conditions under which these were wrought. Such conclusions justify the strongest appeal for better conditions, that can only be had in new buildings, with the "hospital adjustments" suited to modern requirements. The hope of advancement in the care and cure of the insane lies largely in the perfection of the appliances we have to work with,

both for promoting the immediate personal welfare of the sick and for the prosecution of scientific inquiry. One of the most urgent demands of the time is for the better accommodation of the sick of the class represented in such asylums as the McLean; and in these exist special advantages for the establishment of the highest order of scientific work, the highest aim of which is the understanding and prevention of insanity. What is needed is a hospital in the truest sense, to which those under impending danger of mental disorder may early come without fear or shrinking.

Much encouragement has been given to the desire to enlarge the medical work of the Asylum by the considerate and generous action of the Trustees for the establishment upon a better basis of the Pathological Department and the adding to its laboratory means for the practical study of experimental psychology in connection with the clinical work in the wards. The recent appointment as Pathologist and Assistant Physician, of William Noyes, M.D., who has made a special study of these subjects in addition to his clinical experience of some years at the Bloomingdale Asylum, enables us to undertake the investigation of the new questions that are now becoming so interesting and important. The lines of inquiry are in so many branches of the "new psychology" that no pretence is made beyond the purpose of beginning upon them. The Asylum study of these problems may include, besides pathology, "what the nervous system can do" both in health and disease, whatever is open to mechanical experiment in physical and mental phenomena of nervous action, and whatever pathological psychology may present for analysis and explanation. It is hoped that some small result may be yielded by the attempt to co-ordi-

nate these several lines of investigation in a psychological laboratory in direct relation with the manifestation of morbid psychology. The plan of conducting this new department provides for an annual visit to Europe by the officer in charge of it, for a few months' study and observation of the methods of carrying on investigations of this kind in special laboratories and elsewhere.

It may be noted here that this purpose has long been held in view as one of the aims of our "hospital idea." It is fair to say that good work has been and can be done here. It is a matter of record. But some of the best work lies waiting to be done, that cannot even be undertaken here. Let these considerations justify an appeal for a new asylum. It will take time to build new buildings and perfect the work in them. The only way to begin is to begin, and life is short. The necessity is urgent and stands confessed. What it means to the sick is plain. Besides the needs that are ordinarily held in view, our mental picture of the new buildings at Belmont always includes a well-officered and well-furnished laboratory; and the special library, already becoming valuable, should not lack any work that is useful for our purpose and that can be had. It is the duty of our day and generation at least to lay the foundation which shall enable those who come after us to be fully equipped to cope with problems that are even now thrusting themselves upon us.

Our urgent need to-day is the beginning of new buildings at Belmont; and, with plans already well studied, it is recommended that one building at least shall be erected in the coming year, to be used for convalescents. This recommendation is made in the earnest hope that some way will be provided to extend the work so that a group of buildings shall soon

be completed, including the administration buildings and those required for removing all the female patients from Somerville. This will be in the interests of economy, good service, freedom from many pressing difficulties, proper classification, and the best good of the sick.

The Pathological Report by Dr. Gannett will be found in the Appendix, stating the results of his continuation of the work of his department. Clinical instruction to students from the Harvard Medical School was given, as formerly, during part of the year.

The friends of the Asylum have not failed in their accustomed interest in its work and welfare. The helpfulness of this is appreciated by the patients and all who are engaged in their care, and prompts our sincere thanks.

Very respectfully,

EDWARD COWLES,
Medical Superintendent.

TABLE No. 2.

MONTHLY ADMISSIONS, DISCHARGES, AND AVERAGES.

Months.	Admissions.			Discharges (including Deaths).			Daily Average of Patients in the House.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
January, . .	6	4	10	5	4	9	72.13	86.32	158.45
February, .	7	5	12	1	3	4	77.69	87.93	165.62
March, . .	3	4	7	3	2	5	79.49	90.60	170.09
April, . . .	2	2	4	2	1	3	78.10	87.30	165.40
May, . . .	3	4	7	5	6	11	74.32	87.45	161.77
June, . . .	4	10	14	5	5	10	75.17	89.60	164.77
July, . . .	6	6	12	1	3	4	74.81	91.35	166.16
August, . .	3	7	10	6	9	15	78.84	89.00	167.84
September, .	4	2	6	1	5	6	77.70	85.10	162.80
October, . .	3	7	10	6	8	14	77.48	86.65	164.13
November, .	2	3	5	6	5	11	77.40	87.77	165.17
December, .	4	4	8	4	7	11	74.16	89.00	163.16
Total *cases*, .	47	58	105	45	58	103	76.44	88.17	164.61
Total *persons*,	46	56	102	44	58	102	. .	. .	. .

TABLE No. 3.

RECEIVED ON FIRST AND SUBSEQUENT ADMISSIONS.

Number of the Admission.	Cases admitted.			Times previously recovered.		
	Males.	Females.	Total.	Males.	Females.	Total.
First, ...	38	41	79	4	17	21
Second, ...	5	7	12	3	5	8
Third, ...	2	3	5	1	2	3
Fourth, ...	1	3	4	3	7	10
Sixth, ...	1	2	3	5	5	10
Seventh, ...	. .	1	1	. .	6	6
Thirteenth, . . .	. .	1	1	. .	12	12
Total of *cases*, . .	47	58	105	16	54	70
Total of *persons*, .	46	56	102	. .	. .	. .

These 70 recoveries represent 28 persons, 16 having recovered one, 4 two, 3 three, 2 five, 1 six, 1 nine, and 1 twelve times.

TABLE No. 4.

AGES OF PERSONS ADMITTED FOR THE FIRST TIME.

Ages.	At first attack of Insanity.			When admitted.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital,	1	. .	1	. .	. .	. .
From 15 to 20 yrs.,	1	2	3	. .	1	1
" 20 " 25 "	3	6	9	2	3	5
" 25 " 30 "	4	5	9	5	6	11
" 30 " 35 "	4	5	9	5	5	10
" 35 " 40 "	7	3	10	7	3	10
" 40 " 50 "	9	8	17	7	7	14
" 50 " 60 "	3	6	9	6	10	16
" 60 " 70 "	1	3	4	1	3	4
" 70 " 80 "	3	3	6	3	3	6
" 80 " 90 "	1	. .	1	1	. .	1
" 90 " 100 "	1	. .	1	1	. .	1
Total of *persons*,	38	41	79	38	41	79

TABLE No. 5.

PARENTAGE OF PERSONS ADMITTED.

Places of Nativity.	Males.		Females.		Total.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine,	7	6	8	8	15	14
New Hampshire,	4	3	3	2	7	5
Vermont,	. .	. .	1	1	1	1
Massachusetts,	16	19	30	30	46	49
Rhode Island,	2	2	. .	. .	2	2
Connecticut,	3	2	. .	. .	3	2
New York,	1	1	2	2	3	3
Georgia,	1	. .	. .	. .	1	. .
England,	2	2	2	2	4	4
Ireland,	6	6	2	2	8	8
Nova Scotia,	1	2	4	4	5	6
Cuba,	. .	. .	. .	1	. .	1
South America,	. .	. .	. .	1	. .	1
Canada,	. .	. .	1	1	1	1
P. E. Island,	. .	. .	1	1	1	1
Scotland,	1	1	. .	. .	1	1
France,	1	1	2	1	3	2
Prussia,	1	1	. .	. .	1	1
Total of *persons*,	46	46	56	56	102	102

TABLE No. 6.

RESIDENCE OF PERSONS ADMITTED.

Places.	Males.	Females.	Total.
Massachusetts: —			
Suffolk County,	14	12	26
Middlesex County,	15	21	36
Essex County,	3	3	6
Norfolk County,	4	6	10
Plymouth County,	2	5	7
Bristol County,	1	1	2
Barnstable County,	..	1	1
Hampshire County,	..	1	1
Hampden County,	1	..	1
Worcester County,	1	1	2
Maine,	..	1	1
New Hampshire,	3	..	3
Maryland,	1	..	1
South Carolina,	..	1	1
New York,	..	2	2
Ohio,	1	1	2
Nova Scotia,	1	2	3
Total of *cases*,	47	58	105
Total of *persons*,	46	56	102

TABLE No. 7.

CIVIL CONDITIONS OF PERSONS ADMITTED.

Number of the Admission.	Unmarried.			Married.			Widowed.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First,	14	17	31	19	15	34	5	9	14
Second,	2	5	7	3	1	4	..	1	1
Third,	1	1	2	1	1	2	..	1	1
Fourth,	1	2	3	..	..	..	..	1	1
Sixth,	..	..	..	1	1	2	..	1	1
Seventh,	..	..	..	..	..	..	..	1	1
Thirteenth,	..	1	1	..	..	..	..	..	..
Total *cases*,	18	26	44	24	18	42	5	14	19
Total *persons*,	18	25	43	23	18	41	5	13	18

TABLE No. 8.

OCCUPATIONS OF PERSONS ADMITTED.

Occupations.	Males.	Females.	Total.
Housewife,	..	24	24
Clerk,	6	1	7
Manufacturer,	1	..	1
Merchant,	7	..	7
Farmer,	5	..	5
Student,	1	..	1
Teacher,	3	4	7
Lawyer,	1	..	1
Civil Engineer,	1	..	1
Artist,	1	.	1
Mechanic,	6	..	6
Jeweller,	1	..	1
Engraver,	1	.	1
Expressman,	1	..	1
Nurse,	..	2	2
Dressmaker,	..	1	1
No occupation,	11	24	35
Total of *persons*,	46	56	102

TABLE No. 9.

REPORTED DURATION OF INSANITY BEFORE LAST ADMISSION.

Previous Duration.	First Admission to any Hospital.			All other Admissions.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	1	..	1	..	..	..	1	..	1
Under 1 mo.,	11	8	19	3	4	7	14	12	26
Fr. 1 to 3 mo.,	4	7	11	1	4	5	5	11	16
" 3 " 6 "	6	12	18	4	4	8	10	16	26
" 6 " 12 "	1	2	3	..	1	1	1	3	4
" 1 " 2 yrs.,	5	3	8	1	..	1	6	3	9
" 2 " 5 "	6	5	11	..	4	4	6	9	15
" 5 " 10 "	3	3	6	..	..	..	3	3	6
"10 " 20 "	1	1	2	..	..	..	1	1	2
Total *cases*,	38	41	79	9	17	26	47	58	105
Total *persons*,	..	..	..	8	15	23	46	56	102
Average of known persons (in years),	1.99	1.24	1.61	.29	.63	.51			

TABLE No. 10.

FORM OF DISEASE IN THE CASES ADMITTED.

Form of Disease.	Males.	Females.	Total.
Mania, acute,	14	18	32
Mania, chronic,	..	2	2
Mania, recurrent,	1	..	1
Mania, puerperal,	..	1	1
Folie-du-doute,	1	..	1
Melancholia, acute.	11	20	31
Melancholia, chronic	..	2	2
Melancholia, puerperal.	..	1	1
Moral Insanity,	1	..	1
Delusional Insanity,	2	6	8
Paralytic Insanity,	2	..	2
Senile Insanity,	3	2	5
Dementia, secondary.	4	6	10
General Paralysis,	8	..	8
Total of *cases*,	47	58	105
Total of *persons*,	46	56	102

TABLE No. 11.

ALLEGED CAUSES OF INSANITY IN PERSONS ADMITTED.

Causes.	Males.	Females.	Total.
Mental.			
Grief,	..	3	3
Worry,	7	4	11
Shock,	..	2	2
Disappointment.	1	2	3
Spiritualism,	1	..	1
Physical.			
Ill-health,	1	2	3
Neurasthenia.	1	5	6
Overwork,	6	4	10
Constitutional,	7	4	11
Change of life.	..	3	3
Childbirth,	..	3	3
Uterine,	..	2	2
General Paralysis	2	..	2
Epilepsy,	1	..	1
Surgical operation,	..	1	1
Cerebral Hemorrhage,	..	1	1
Concussion of Brain,	..	1	1
Intemperance,	4	..	4
Old age,	2	1	3
Unknown,	14	20	34
Total of *cases*,	47	58	105
Total of *persons*,	46	56	102

TABLE No. 12.

RELATION TO HOSPITALS OF THE PERSONS ADMITTED.

	Males.	Females.	Total.
Never before in any Hospital,	38	41	79
Former inmates of this Hospital,	4	6	10
Former inmates of other Hospitals in this State: —			
South Boston,	2	..	2
Private Asylum,	1	2	3
Danvers,	..	1	1
Taunton,	..	1	1
Former inmates of Hospitals in other States,	..	3	3
Former inmates of this Hospital and of other Hospitals in this State: —			
Westborough,	..	1	1
Former inmates of this Hospital and of Hospitals in other States,	1	3	4
Former inmates of foreign Hospitals,	1	..	1
Total of *cases*,	47	58	105
Total of *persons*,	46	56	102

TABLE No. 13.

DISCHARGES CLASSIFIED BY ADMISSION AND RESULT.

Admission.	Recovered.			Much Improved.			Improved.			Unimproved.			Died.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, ...	12	21	33	5	5	10	2	3	5	5	9	14	10	10	20	34	49	83
Second, ...	3	2	5	1	2	3	1	2	3	. .	1	1	2	. .	2	7	6	13
Third, ...	. .	1	1	. .	. .	. .	. .	.	. .	1	. .	1	1	. .	1	2	1	3
Sixth, ...	1	1	2	. .	. .	. .	.	. .	. .	. .	. .	. .	. .	. .	. .	1	1	2
Eighth, ...	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	. .	1	. .	. .	. .	1	. .	1
Thirteenth, ...	. .	1	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1
Total of *cases*, . . .	16	26	42	6	7	13	3	5	8	7	10	17	13	10	23	45	58	103
Total of *persons*, . .	16	26	42	5	7	12	3	5	8	7	10	17	13	10	23	44	58	102

TABLE No. 14.

CASES DISCHARGED RECOVERED.—DURATION.

Period.	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 mo.,	10	12	22	1	4	5	. .	. .	. .
Fr. 1 to 3 mo.,	1	5	6	6	3	9	6	4	10
" 3 " 6 "	2	8	10	4	6	10	3	8	11
" 6 " 12 "	. .	. .	. .	4	8	12	2	7	9
" 1 " 2 yrs.	2	. .	2	1	1	2	3	1	4
" 2 " 5 "	1	. .	1	. .	4	4	2	5	7
"10 " 15 "	. .	1	1	. .	. .	. .	. .	1	1
Total *cases*,	16	26	42	16	26	42	16	26	42
Total *persons*,	16	26	42	16	26	42	16	26	42
Average of known cases (in months),	4.51	6.16	5.54	4.50	11.41	8.77	9.14	17.91	14 55

TABLE No. 15.

CASES RESULTING IN DEATH.—DURATION.

Period.	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 mo., .	3	1	4	3	2	5	1	1	2
From 1 to 3 mo.,	2	2	4	1	1	2	2	1	3
" 3 " 6 "	3	6	9	2	1	3	1	1	2
" 6 " 12 "	. .	1	1	1	. .	1	. .	1	1
" 1 " 2 yrs.,	2	. .	2	2	1	3	4	1	5
" 2 " 5 "	3	. .	3	3	. .	3	3	. .	3
" 5 " 10 "	. .	. .	. .	. .	1	1	1	1	2
" 10 " 15 "	. .	. .	. .	. .	1	1	. .	1	1
" 15 " 20 "	. .	. .	. .	1	. .	1	1	. .	1
" 20 " 25 "	. .	. .	. .	. .	1	1	. .	1	1
" 25 " 30 "	. .	. .	. .	. .	1	1	. .	1	1
" 35 " 40 "	. .	. .	. .	. .	1	1	. .	1	1
Total, . . .	13	10	23	13	10	23	13	10	23
Average of known cases (in months),	12.69	3.15	8.54	24.35	121.15	66.43	37.04	124.30	74.98

TABLE No. 16.

CASES DISCHARGED BY RECOVERY OR DEATH.

Form of Insanity.	Recoveries.			Deaths.		
	Males.	Females.	Total.	Males.	Females.	Total.
Mania, acute,	8	15	23	2	1	3
Mania, chronic,	..	..	..	..	2	2
Mania, puerperal,	..	..	..	..	1	1
Melancholia, acute,	8	11	19	1	2	3
Delusional Insanity,	..	..	..	1	..	1
Paralytic Insanity,	..	..	..	1	..	1
Senile Insanity,	..	..	..	2	1	3
Dementia, secondary,	..	..	..	1	3	4
General Paralysis,	..	..	..	5	..	5
Total of *cases*,	16	26	42	13	10	23
Total of *persons*,	16	26	42	13	10	23

TABLE No. 17.

CAUSES OF DEATH.

Causes.	Males.	Females.	Total.
Cerebral Disease.			
General Paralysis,	5	..	5
Exhaustion from Mania,	2	3	5
Exhaustion from Senile Insanity,	1	1	2
Cerebral Hemorrhage,	1	..	1
Chronic Hemorrhagic Pacchymeningitis,	..	1	1
Other Causes.			
Heart Disease,	1	..	1
Embolism,	..	1	1
Chronic Interstitial Nephritis,	..	2	2
Senile Gangrene,	..	1	1
Old Age,	1	1	2
Suicide,	1	..	1
Railroad Accident after escape,	1	..	1
Totals,	13	10	23

TABLE No. 18.

RECOVERIES, CLASSIFIED BY RESULTS OF PREVIOUS ADMISSIONS.*

Number of the Admission.	Recovered.			Much Improved.			Not Improved.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Second,	3	2	5	..	..	..	..	..	..	3	2	5
Third,	..	1	1	..	..	..	..	..	..	..	1	1
Sixth,	1	1	2	..	..	..	..	..	..	1	1	2
Thirteenth,	..	1	1	..	..	..	..	..	..	..	1	1
Total of *cases*,	4	5	9	..	..	..	..	..	..	4	5	9
Total of *persons*,	4	5	9	..	..	..	..	..	..	4	5	9

*This classification is based upon the result of the admission next preceding the last, in each case respectively.

TABLE No. 19.

DEATHS, CLASSIFIED BY DURATION OF INSANITY AND OF TREATMENT.

Period.	Duration of Insanity.			Whole known period of Hospital Residence.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital,	..	..	..	..	..	..
Under 1 month,	1	1	2	3	2	5
From 1 to 3 months,	2	..	2	1	1	2
" 3 " 6 "	1	1	2	3	1	4
" 6 " 12 "	..	1	1	..	..	..
" 1 " 2 years,	3	1	4	2	1	3
" 2 " 5 "	3	1	4	3	..	3
" 5 " 10 "	2	1	3	..	1	1
" 10 " 20 "	1	1	2	1	1	2
" 20 " 30 "	..	2	2	..	2	2
" 30 " 40 "	..	1	1	..	1	1
Total,	13	10	23	13	10	23
Average of known *cases* (in months),	43.63	158.72	79.87	25.35	154.76	68.16

TABLE No. 20.

AGES OF THOSE WHO DIED.

Ages.	At time of the first Attack.			At time of Death.		
	Males.	Females.	Total.	Males.	Females.	Total.
From 20 to 25 years,	. .	1	1	.	. .	. .
" 25 " 30 "	1	. .	1	1	. .	1
" 30 " 35 "	1	1	2	1	1	2
" 40 " 45 "	3	1	4	. .	. .	. .
" 45 " 50 "	1	1	2	2	2	4
" 50 " 60 "	4	4	8	2	3	5
" 60 " 70 "	. .	1	1	3	. .	3
" 70 " 80 "	2	1	3	3	2	5
" 80 " 90 "	1	. .	1	. .	1	1
" 90 "100 "	. .	. .	. .	1	1	2
Total, ...	13	10	23	13	10	23

TABLE No. 21.

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS AT THE McLEAN ASYLUM.

FROM ITS OPENING, OCT. 6, 1818, TO DEC. 31, 1888, INCLUSIVE.

Years.	Admitted.	Discharged.	Who'e No. under care.	Died.	Much improved, etc.	Recov'd.	Remaining at end of year.	Average No. of Patients.
1818–25	398	344	623	29	205	110	279	..
1826	47	46	101	5	21	20	55	..
1827	58	56	113	5	17	34	57	..
1828	77	65	134	5	37	23	69	..
1829	73	77	142	9	42	26	65	..
1830	82	78	147	10	34	34	69	..
1831	83	84	152	8	46	30	68	..
1832	94	98	162	10	45	43	64	..
1833	103	100	167	8	50	42	67	..
1834	108	95	174	7	47	41	80	..
1835	83	84	163	11	28	45	77	..
1836	106	112	183	10	38	64	71	..
1837	120	105	191	8	25	72	86	80
1838	138	131	224	12	45	74	93	95
1839	132	117	225	10	38	69	108	112
1840	155	138	263	13	50	75	125	128
1841	157	141	283	11	55	75	142	135
1842	129	138	271	15	43	80	133	143
1843	126	126	260	18	45	63	134	131
1844	158	140	292	20	52	68	152	146
1845	119	120	271	13	33	74	151	149
1846	148	126	299	9	52	65	173	164
1847	170	170	343	33	50	87	173	172
1848	143	155	316	23	50	82	155	171
1849	160	137	321	15	58	64	184	177
1850	173	157	357	28	51	78	200	201
1851	164	173	364	29	69	75	191	195
1852	145	135	336	15	48	72	201	200
1853	114	120	315	17	45	58	195	194
1854	120	120	315	16	45	59	195	195
1855	123	126	318	24	46	56	192	192
1856	149	145	341	19	58	68	196	195
1857	141	159	337	28	60	71	178	191
1858	155	147	333	25	50	72	186	187
1859	131	142	317	28	53	61	175	185
1860	121	109	296	24	46	39	187	185
1861	111	110	298	23	33	54	188	193
1862	82	94	270	18	37	39	176	190
1863	94	69	270	13	20	36	201	191
1864	101	107	302	27	38	42	195	200
1865	82	85	277	17	33	35	192	186
1866	103	98	295	29	23	46	197	197
1867	89	108	286	27	36	45	178	186
1868	92	94	270	23	37	34	176	166
1869	108	100	284	18	31	51	184	187
1870	79	85	263	12	40	33	178	187
1871	75	81	253	13	47	21	172	178
1872	93	101	265	23	63	15	164	173
1873	92	95	256	13	63	19	161	165
1874	75	88	236	10	58	20	148	159
1875	85	83	233	16	51	16	150	156
1876	92	74	242	20	36	18	168	160
1877	110	103	278	20	68	15	175	175
1878	63	84	238	12	66	6	154	168
1879	76	79	230	12	48	19	151	157
1880	51	48	202	6	30	12	154	152
1881	66	65	220	14	37	14	155	150
1882	82	70	237	8	36	26	167	156
1883	109	111	276	17	57	37	165	164
1884	113	103	278	17	52	34	175	166
1885	95	100	270	17	46	37	170	171
1886	93	96	263	14	46	36	167	169
1887	75	78	242	17	35	26	164	160
1888	105	103	269	23	37	43	166	164
	7,194	7,028		1,049	2,981	2,998		

TABLE No. 22.

TABLE OF APPLICATIONS, ADMISSIONS, ETC., FOR TWENTY-FOUR YEARS,—1864-1888.

Years.	Applications.	Admissions.		American.		Foreign.		Not Admitted.	Discharged, cured, relieved, or improved.		Percentage of same on Admissions.		Died.			Whole number under care in the year.		Number of free patients.			Greatest total number at any time.		Least total at any time.		Average.		Greatest no. at any one time of Free or Paying at Hospital.		Average time in weeks Paying and Free at Hospital.		Out-patients.
	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.	Accid'ts.	Hospital.	Asylum.	Hospital.	Hospital.	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.	Free.	Paying.	Paying.	Free.	Hospital.
1864	1932	1599	101	654	99	945	2	333	1306	80	8.168	79.1	130	27	242	1749	302	1388	350	11	157	208	110	192	138	200	139	33	3.2	4.4	5619
1865	1430	1199	82	571	80	628	2	231	997	68	8.315	82.9	104	17	140	1347	277	687	592	68	164	195	88	181	113	186	137	72	3.7	4.8	5356
1866	1328	1120	103	542	100	587	3	208	909	69	81.17	66.9	96	29	132	1224	295	556	623	45	109	203	78	192	95	197	62	58	3.4	5.1	5608
1867	1419	1206	89	558	88	648	1	213	958	81	79.43	91	94	27	113	1301	286	676	601	24	126	200	72	172	104	186	77	62	3.4	4.3	4553
1868	1474	1265	92	604	92	661	0	209	1015	71	80.03	77.1	85	23	98	1373	218	840	502	31	132	181	69	160	102	166	97	56	3.0	3.5	5264
1869	1633	1390	108	681	108	709	0	243	1123	82	80.03	75.9	107	18	93	1217	284	930	563	24	139	196	90	177	118	187	98	55	3.4	4.3	6953
1870	1706	1302	79	584	76	718	3	404	1083	73	83.20	92.4	85	12	140	1427	342	958	439	30	137	195	98	181	120	187	106	45	3.4	4.8	8767
1871	1781	1427	75	649	75	778	0	354	1143	52	80.09	69.3	109	13	178	1537	253	1056	456	25	154	187	91	167	122	178	126	43	3.1	3.9	9792
1872	1815	1547	93	665	88	882	5	268	1271	52	82.15	55.9	120	23	259	1701	265	1289	396	16	160	179	97	163	135	173	133	42	3.1	4.3	11878
1873	1958	1550	92	640	85	910	7	408	1201	64	77.48	69.5	186	13	291	1700	256	1195	441	64	187	171	129	158	156	165	156	44	3 3	6.0	13517
1874	2153	1639	75	713	68	926	7	514	1342	54	81.88	72	127	10	234	1800	236	1251	394	120	183	167	111	144	149	159	146	41	2.7	5.6	15612
1875	2357	1841	85	799	72	1022	13	516	1412	57	76.70	67	189	16	285	1989	233	1565	336	88	199	165	132	145	166	156	176	31	2.8	5.2	16993
1876	2560	1906	92	900	82	1006	10	654	1621	45	85.04	48.9	150	20	245	2096	242	1696	308	92	210	173	163	148	185	160	182	36	3.2	5.7	17292
1877	2131	1657	110	863	103	794	7	474	1339	57	80 80	51.8	130	20	147	1847	278	1270	339	48	194	184	135	168	164	175	178	33	2.8	5.5	18004
1878	2275	1794	63	946	58	848	5	481	1461	45	81.43	71.4	134	12	200	1950	238	1578	334	38	187	182	132	154	165	168	170	34	2.8	5.2	18744
1879	2310	1813	76	979	63	834	13	497	1462	46	80.63	60.5	143	12	222	1971	230	1577	352	42	188	164	131	150	163	157	165	30	2.8	5.1	18960
1880	2701	2123	51	1117	46	1006	5	578	1731	32	81.53	62.7	151	6	351	2284	202	1864	371	45	188	159	156	146	170	152	165	35	2.5	4.5	20566
1881	2786	2106	66	1074	57	1032	9	680	1853	37	82.19	56	189	14	391	2270	220	1835	419	26	195	161	139	147	166	150	168	39	2.79	4.41	18443
1882	2587	2147	82	1127	73	1020	9	440	1775	47	87.83	57.3	177	8	348	2302	237	1876	399	12	195	166	143	149	168	156	167	35	2.84	4.41	16304
1883	2460	2020	109	1035	93	985	16	440	1664	63	82.33	53.8	181	17	432	2185	276	1633	473	79	189	171	143	151	168	164	168		2.75	4.80	*7102
1884	2494	2096	113	1043	95	1053	18	398	1685	57	80.39	50.4	191	17	397	2310	278	1815	448	47	186	175	129	154	165	166	159	40	3	4.14	14824
1885	2636	2327	95	1178	84	1149	11	299	1945	62	85.38	65.3	192	17	443	2472	270	2044	382	46	184	185	147	159	167	171	166	26	2.38	4.08	17016
1886	2686	2580	93	1313	85	1267	8	106	2100	68	81.39	73.1	192	14	471	2756	263	2283	409	64	206	191	133	167	173	169	178	30	2.78	3.72	17925
1887	2876	2814	75	1376	66	1438	9	62	2259	46	80.24	61.3	245	17	490	3015	242	2523	429	45	217	176	150	157	185	160	196	40	2.90	3.57	18981
1888	3339	3256	105	1650	86	1606	19	83	2661	63	81.72	60.	277	23	496	3455	269	2731	553	154	215	171	156	157	193	164	194	42	2.16	3.46	19472

*Out-patient Department open only five months.

TABLE No. 23.

TABLE SHOWING THE COST OF PRINCIPAL STORES AT McLEAN ASYLUM.

Articles.	1885.			1886.			1887.			1888.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, ... lbs.,	71,169	$9,350.98	.1313	72,269	$9,377.03	.1298	76,333	$8,762.60	.1136	79,352	$9,714.96	.1224
Mutton and Lamb, "	26,865	2,288.99	.0852	27,142	2,614.26	.0962	28,694	2,574.84	.0897	27,980	2,761.69	.0986
Veal, ... "	11,747	1,218.43	.1037	14,977	1,590.73	.1062	10,799	1,162.19	.1076	14,842	1,578.40	.1064
Poultry, ... "	14,300	2,716.52	.189	15,453	2,674.98	.172	15,565	2,802.43	.180	16,868	2,827.85	.167
Ham, etc., . . . "	13,105	1,358.58	.103	13,292	1,460.57	.109	13,093	1,512.56	.115	12,878	1,466.73	.113
Eggs, ... doz.,	11,046	2,402.08	.216	11,193	2,339.44	.209	10,888	2,258.75	.207	10,832	2,352.07	.217
Lard, ... lbs.,	1,724	144.26	.083	1,471	114.26	.077	2,015	169.56	.084	2,346	222.79	.094
Flour, ... bbls.,	528	2,901.42	5.49	512	2,728.73	5.32	530	2,728.62	5.13	551	2,832.16	5.14
Butter, ... lbs.,	22,738	5,014.07	.220	20,931	4,650.73	.222	21,320	4,756.39	.223	19,225	4,448.85	.231
Coffee, ... "	3,162	714.18	.234	3,336	691.16	.207	3,361	822.04	.244	3,333	812.52	.243
Tea, ... "	1,286	433.42	.337	1,188	389.00	.327	1,264	394.08	.311	1,274	383.51	.301
Sugar, ... "	29,404	1,891.91	.064	28,996	1,824.45	.063	28,373	1,712.08	.060	31,665	2,210.40	.069
Lights, Gas, etc., feet,		2,978.91			2,693.02			2,957.27			3,089.74	
Coal, ... tons,	$1,190\frac{530}{2000}$	6,297.49	5.29	$1,328\frac{1525}{2000}$	7,087.31	5.34	$1,332\frac{1616}{2000}$	7,145.92	5.36	$1,375\frac{1970}{2000}$	8,856.03	6.436
Wood, ... cords,	$10\frac{1}{2}$	70.88	6.75	20	140.00	7.00	$10\frac{1}{2}$	84.00	8.00	$10\frac{1}{2}$	73.50	7.50
Ice, ... tons,	$426\frac{500}{2000}$	955.49	2.241	$473\frac{600}{2000}$	1,088.56	2.30	$554\frac{1300}{2000}$	1,275.66	2.10	$462\frac{300}{2000}$	1,062.94	2.30

McLean Asylum Training School for Nurses.

The Trustees of the Massachusetts General Hospital, having established at the McLean Asylum for the Insane a school for nurses, offer to give to men and women desirous of becoming professional nurses a two years' course of training in general nursing, with special reference to the care of cases of nervous and mental disease.

Those wishing to receive such a course of instruction must apply to the Superintendent of the McLean Asylum, Somerville, Mass.

The most desirable age for candidates is from twenty-one to thirty-five years. *They must be in sound health, and must send with their application a certificate from a physician certifying to the fact; also, one from some responsible person as to their good character and good health.* Upon the recommendation of the Superintendent of the Asylum and the approval of the Trustees, they will be received for two months on probation, at the expiration of which time they will, if accepted, sign an agreement to complete the prescribed course of two years.

The Superintendent of Nurses has charge of the Training School, under the authority of the Superintendent of the Asylum and of the Board of Trustees; and the nurses are subject to the rules of the Asylum. Their fitness for the work and the propriety of retaining or dismissing them at the end of the two months of trial are determined by the authorities in charge of the School, under the direction of the Trustees; and the same authorities can

in like manner discharge them at any time in case of misconduct or inefficiency. They reside in the Asylum, and serve as assistant nurses in its wards.

All nurses are required to be sober, honest, truthful, trustworthy, punctual, quiet, orderly, cleanly, neat, patient, kind, and cheerful.

The instruction includes the general care of the sick; the managing of helpless patients in bed, in moving, changing bed and body linen, making of beds, etc.; giving baths, keeping patients warm or cool, preventing and dressing bed sores; bandaging, applying of fomentations, poultices, and minor dressings; the preparing and serving of food, the feeding of helpless patients and those who refuse food; the administering of enemas and use of the catheter; attendance upon patients requiring diversion and companionship; the observation of mental symptoms, delusions, hallucinations, delirium, stupor, etc., and the care of excited, violent, and suicidal patients.

They are also given instruction in the best practical methods of supplying fresh air, warming and ventilating sick-rooms in a proper manner, and are taught to take proper care of rooms and wards, in keeping all utensils perfectly clean and disinfected, etc.; to observe the sick accurately in regard to the state of the secretions, pulse, breathing, skin, temperature, sleep, appetite, effect of diet, of stimulants, and medicine; the giving of massage; and the managing of convalescents.

Instruction will also be given in the modern methods of physical training, by the use of free movements and the usual apparatus, in a gymnasium provided for the patients. The nurses are taught the medical application of physical exercise. Each nurse is required to have a gymnasium costume: the material for the dress will be furnished, at moderate cost, by the Asylum.

The instruction is given by the Superintendent of the Training School, and by the Supervisors and Head Nurses. Lectures and demonstrations will be given, at stated periods, by the Asylum Medical Staff. Examinations, chiefly upon practical points, take place from time to time.

The pupils are employed as assistant nurses in the wards of the Asylum. Women will be paid twelve dollars ($12) per month during the first year, and fifteen dollars ($15) per month during the second year, for their clothing and personal expenses. Men will be paid twenty-three dollars ($23) per month during the first year, and twenty-five dollars ($25) per month during the second year. Their education during this time is considered as compensation for their services. Women graduates will be paid twenty-five dollars ($25) per month; men graduates, twenty-seven dollars ($27) and thirty dollars ($30) per month, according to length of service.

The men and women are required to wear at all times, while on duty in the wards, the asylum uniform.

When the full term of two years is completed, the nurses thus trained receive (after final examinations) diplomas certifying to their period of training, their proficiency and good character.

The right is reserved to terminate the connection of any nurse or pupil with the School, for any reason which may be deemed sufficient.

A female graduate of this School, who wishes to have additional practical experience and instruction in general nursing, has the privilege, under certain restrictions, of entering the Boston Training School for Nurses at the Massachusetts General Hospital. Such graduates will, after one year's satisfactory study, receive the diploma from that School, in addition to the diploma received from the McLean Asylum Training School.

N.B.— This paper to be filled in (in the Candidate's own handwriting), and sent to the Superintendent of McLean Asylum, Somerville, Mass.

QUESTIONS TO BE ANSWERED BY CANDIDATE.

1. Name in full of Candidate.

2. Are you single, widow, or widower?

3. Your present occupation or employment?

4. Age last birthday, and date and place of birth?

5. Height? Weight?

6. In what school or schools educated, and in what place?

7. Are you strong and healthy, and have you always been so?

8. Are your sight and hearing perfect?

9. Have you any physical defects?

10. Have you any tendency to pulmonary complaint?

11. If a widow or widower, have you children? How many? Their ages? How are they provided for?

12. Are you otherwise free from domestic responsibility, so that you are not liable to be called away?

13. Where (if any) was your last situation, and how long were you in it?

14. Have you ever been in any Training School or employed in any hospital or asylum? If so, where and how long in each place?

15. The names in full and addresses of two persons, not of your own kindred, to be referred to. State how long each has known you. If previously employed, one of these must be the last employer.

Name, ...
Address, ...
has known me years.

Name, ...
Address, ...
has known me years.

Having read, and clearly understanding and agreeing to the foregoing conditions and regulations, I declare the above statement to be correct.

Signed, ...
Candidate.

Present Address, ...

Nearest Telegraph Office, ...

Date, ... 188

COURSE OF INSTRUCTION.

JUNIOR YEAR.

A Manual for Hospital Nurses, ... *Domville*
Physiology and Hygiene (to the Nervous System), . *Hutchison*
A Manual of Nursing, Medical and Surgical, . . . *Cullingworth*
Notes on Fever Nursing, ... *Allan*
A Text-book of Nursing, ... *Weeks*
What to do first in Emergencies, ... *Dulles*
Practical instruction in massage (twelve lessons).
Instruction in the ward by the Supervisor and Superintendent of Nurses.
A Lecture each week, First Assistant Physician.

SENIOR YEAR.

Physiology and Hygiene (completed), ... *Hutchison*
A Text-book of Nursing (completed), ... *Weeks*
A Short Manual for Monthly Nurses, ... *Cullingworth*
Accidental Injuries, ... *Cantlie*
Hand-book for Hospitals (selections),
State Charities Aid Association, N. Y.
Hand-book for the Instruction of Attendants on the Insane,
Sub-com. British Med.-Psych. Association.
Practical instruction in cooking (six lessons).
Instruction in the wards by the Supervisor and Superintendent of Nurses.
A Lecture each week, Superintendent.

ORDER OF EXERCISES, 1888–89.

WOMEN.

Monday.

10.30 A.M.	Instruction in Physical Training, .	Miss ADAMS
11.00 A.M.	Junior Class (1st Div.), Massage,	Miss WOODWARD
4.15 P.M.	Senior Class, Recitation, . .	Miss WOODWARD
7.00 P.M.	Junior Class, Recitation, ...	Miss ALLEN
8.00 P.M.	Junior Class (2d Div.), Massage, .	Miss ROWE

Tuesday.

11.00 A.M.	Junior Class (3d Div.), Massage, .	Miss ROWE
4.15 P.M.	Senior Class, Lecture, ...	Dr. COWLES

Wednesday.

10.30 A.M.	Instruction in Physical Training, .	Miss ADAMS

Thursday.

2.00 P.M. Senior Class (1st or 2d Div.), Cooking, ... Miss MAYNARD

4.15 P.M. Junior Class, Lecture, ... Dr. TUTTLE

Friday.

10.30 A.M. Instruction in Physical Training, . Miss ADAMS

4.15 P.M. Junior Class (1st and 2d Div. on alternate weeks, from Feb. 1), Care of Sick Patients in Bed, Poulticing, etc., ... Miss BOURKE

7.30 P.M. Senior Class (4th Div.), Massage, Miss WOODWARD

Saturday.

11.00 A.M. Junior Class (1st Div.)

4.00 P.M. Junior Class (2d Div.) On alternate weeks, from Feb. 2, Bandaging, ... Dr. LOCKE

MEN.

Monday.

4.15 P.M. Junior Class, Recitation, ... Dr. BABCOCK

8.00 P.M. Senior Class (2d Div. from Feb. 4), Massage, ... Dr. TUTTLE

Tuesday.

4.15 P.M. Senior Class, Lecture, ... Dr. COWLES

Wednesday.

4.15 P.M. Junior Class, Lecture, ... Dr. TUTTLE

Thursday.

11.00 A.M. Junior Class (1st Div.)

4.00 P.M. Junior Class (2d Div.) On alternate weeks from Feb. 7, Bandaging, ... Dr. LOCKE

2.00 P.M. Senior Class (1st or 2d Div.), Cooking, Miss MAYNARD

Friday.

11.00 A.M. Junior Class (1st Div.)

4.00 P.M. Junior Class (2d Div.) On alternate weeks, from Feb. 1, Care of Sick Patients in Bed, Poulticing, etc., ... Mr. OBER

4.15 P.M. Senior Class, Recitation, ... Dr. BABCOCK

8.00 P.M. Senior Class (1st Div. from Feb. 1), Massage, ... Dr. BABCOCK

PATHOLOGICAL REPORT.

EXAMINATIONS BY W. W. GANNETT, M.D., PATHOLOGIST.

CASE I.— Myxœdema. Fifteen years duration. Acute mania in tenth year; recovery in two years, followed by increased weakness of body and mind. Chronic diffuse nephritis in twelfth year, lasting until death from gradual asphyxia. Female, aged forty-eight.

Diagnosis: General œdema; slight œdema of pia; slight atrophy of brain; slight granular ependymitis; idiopathic hypertrophy of heart; hydrothorax; partial atelectasis of lung; emphysema; chronic diffuse nephritis; fatty infiltration of liver; chronic endarteritis.

Autopsy nine hours after death. Body large, well developed, and well nourished. Thick panniculus adiposus. Hair of head and pubes thin. Œdema of subcutaneous tissue throughout body. Skin of face and eyelids smooth, œdematous, translucent, and very soft to feel. Deep portions of pericranial tissues œdematous. Calvaria and dura not remarkable. Meshes of pia contained small amount of thin, clear fluid. Pia itself thin and delicate. Brain nearly filled cavity of skull, and weighed 1,088 grms.

Vessels at base and of fissure of Sylvius were thin and delicate. Lateral ventricles contained each a few cc. of thin clear fluid; ependyma of fourth ventricle slightly granular and warty. Brain substance in general quite firm; cortex generally slightly thinned; white matter showed puncta cruenta of usual size. Section of basal ganglia, pons, medulla, and cerebellum showed nothing abnormal. Pia everywhere separable from brain substance. Cord in gross showed nothing abnormal. Heart enlarged about one-third; left side empty and contracted; right side distended with dark fluid blood; aortic and pulmonic valves sufficient; mitral admitted three finger-tips; tricuspid, four; valves and cavities not remarkable; muscular wall of left ventricle about half again usual thickness and of very firm consistency. Left coronary artery showed numerous patches of endarteritis, not diminishing the lumen. Left pleural cavity contained half a litre of clear fluid; right, fifty cc. Upper lobe of left lung collapsed and atelectatic;

remaining portions of lungs emphysematous. Spleen of usual size, color, and density; on section showed nothing abnormal.

Both kidneys were reduced about one-third in size; of the usual color; density increased; capsule removed with difficulty, leaving a slightly granular surface beneath. On section, the cortex and medulla were both somewhat reduced in thickness, showing here and there grayish specks (calcified glomeruli). There were also numerous gray, translucent areas, with here and there a few opaque, yellowish areas. Both ovaries showed presence of a few dilated Graffian vesicles; otherwise not remarkable. Gastro-intestinal tract normal. Liver enlarged about one-third; edges rounded; of a yellow color, with here and there small depressions; doughy consistency. On section, peripheral portion of acini, yellow; central portion, red. Pancreas apparently normal. Aorta showed in intima — particularly of abdominal portion — opaque, yellow, elevated plates. Right lobe of thyroid about usual size; left, diminished; substance of gland, pale gray; glandular substance had apparently disappeared.

Microscopic examination. Neither in the brain nor in the cord could anything abnormal be detected. No skin was removed from the face, owing to the deformity that would result thereby, but portions were removed from just behind the ear, from above the clavicle, and from the abdomen. These were hardened in Mueller's fluid and in alcohol, and microtome sections made from them. Examination of these sections failed to show any appearances varying from the normal. Microscopic examination failed to show any trace of thyroid glandular substance. There were masses of connective tissue, which may have formed part of this gland; but no trace of gland tissue could be found.

Case II.— Melancholia. Three years duration. Complained of pressure, throbbing, and explosions in the head. Much agitation; delusions; suicidal; attacks of unconsciousness,— the third followed by coma and death. Female, aged fifty-seven.

Diagnosis: Chronic internal hemorrhagic pachymeningitis; hemorrhage into space between dura and pia; idiopathic hypertrophy of left ventricle of heart; slight degree of chronic interstitial nephritis; dilatation of aorta; multiple fibro-myomata of uterus.

Autopsy forty-eight hours after death. Body of medium size and fairly well developed, markedly emaciated. Ratio of cranium to face and head to body normal. Nothing unusual observed about calvaria; readily separated from dura. Inner side of left

dura covered by false membrane, in which extensive hemorrhage had occurred. Between dura and pia coagulated and fluid blood, sufficient in amount to separate dura from pia to an extent of a centimetre and a half. Pia everywhere delicate; its meshes contained no fluid. Brain filled cavity of skull; in general, of firm consistency, and weighed 1,400 grms.; ventricles normal; gray cortex everywhere of usual thickness; white substance firm; puncta cruenta numerous. Section of basal ganglia, pons, medulla, and cerebellum showed nothing abnormal. Pia readily separated from brain substance. Other pathological conditions as described in the diagnosis.

Nothing abnormal was discovered on the microscopic examination of the brain.

Case III.— Senile insanity. Six years duration. Loss of memory; confusion; great irritability; apoplectiform seizures; death from exhaustion. Female, aged ninety.

Diagnosis: Ducubitus; senile atrophy of calvaria; chronic leptomeningitis; chronic atrophy of brain; chronic endarteritis of cerebral vessels; passive dilatation of ventricles; circumscribed softening of left nucleus caudatus; chronic valvular endocarditis; hypertrophy of left ventricle of heart; chronic adhesive pleurisy; chronic vesicular emphysema; acute diffuse purulent bronchitis; circumscribed broncho-pneumonia; senile atrophy of spleen and kidneys; chronic interstitial nephritis of moderate degree; cystic obstruction and dilatation of vermiform appendix; chronic endaortitis.

Autopsy thirteen hours after death. Body medium size, well developed, much emaciated. Bed-sore over right ilium, of small size. Ratio of head to body and cranium to face normal. Calvaria everywhere thin, markedly so over posterior parietal regions, where it was not more than 1 mm. in thickness. Dura everywhere intimately adherent to calvaria; sinuses contained dark blood. Pia showed milky opacities along sulci; its meshes contained clear fluid. Brain did not fill cavity of skull; weight, 1,248 grms. Vessels of base and fissure of Sylvius were extensively calcified, tubes being rigid. Lateral ventricles contained each about 30 cc. clear fluid, and were half again their usual size; ependyma tough, but not granular. Brain substance in general quite pale, of firm leathery consistency; gray matter thin, but very uniformly so; puncta cruenta few and small. Of left nucleus caudatus, only anterior and posterior tips remained. The intervening portion was represented by a depression having a yel-

low tint. On section, it was found that all the middle portion of left nucleus lentiformis down to inner capsule had disappeared, the base being ragged and of yellow color. Section of remaining portion of basal ganglia, together with pons and medulla, showed no abnormal appearances. Pia everywhere separable from brain substance. Cord everywhere of small diameter, the diminution being uniform. Section of cord showed nothing abnormal. Condition of other organs as described in the diagnosis.

Microscopic examination. Pia normal. Slight atrophy of cortex. There was an occasional spider-cell in the first layer of the cortex. Considerable pigment in the ganglion cells of the third layer and a small amount of pigment in the adventitial sheaths of the blood-vessels. The vessels otherwise normal. Cord: a slight thickening of the vessel walls and an unusual degree of pigmentation of the ganglion cells.

Case IV.— Melancholia. Duration about eight months. Procidentia of uterus. Delusions; suicidal. Death from embolism. Female, aged fifty-eight.

Diagnosis: Cystic œdema of pia; slight degree of atrophy of brain; hypertrophy and dilatation of heart; acute ulcerative endocarditis; insufficiency of aortic valves; slight degree of stenosis of mitral orifice; fatty degeneration of muscular substance of heart; double hydrothorax, œdema and slight atelectasis of lungs; acute fibrinous perispleenitis; necrosis of spleen, with circumscribed coagulation; embolism of renal artery; thrombosis of renal vein; chronic interstitial nephritis; cloudy swelling of kidneys; multiple embolic abscesses of kidney; chronic calculous pyelitis of left kidney.

Autopsy twenty hours after death. Body of medium size, well developed, and well nourished. Lividity of dependent portions. Rigor mortis present. Ratio of head to body and cranium to face normal. Calvaria and dura showed nothing remarkable. Pia everywhere thin and delicate; its meshes contained a moderate amount of clear fluid, with here and there collections of small cysts in the sulci. Brain did not quite fill cavity of skull, and weighed 1,148 grms. Vessels at base and in fissure of Sylvius everywhere thin-walled and delicate. Ventricles of normal size; ependyma everywhere smooth and shining. Brain substance in general quite firm; cortex of usual thickness, of slight pinkish tint; puncta cruenta of white substance numerous and large. Section of basal ganglia, pons, medulla, and cerebellum showed no appearance worthy of special note. Pia readily separable from brain substance. Condition of other organs described in

the diagnosis. Microscopic examination of the brain showed nothing abnormal.

Case V.— General Paralysis. Duration, nine years. Change of character; progressive dementia; delusions of great wealth; exaggerated patella reflex; unequal pupils; ataxic gait. Death from pleurisy. Male, aged thirty-three.

Diagnosis: Œdema of pia; slight degree of chronic leptomeningitis; chronic meningo-encephalitis; atrophy of brain; chronic granular ependymitis; dilatation of ventricles; acute fibrinoserous pleurisy; circumscribed gangrene of lung; cloudy swelling of kidneys; slight degree of fatty infiltration of liver.

Autopsy twenty-five hours after death. Body large, well developed, and well nourished. Lividity of dependent portions. Rigor mortis present. Ratio of head to body and cranium to face apparently normal. Cranium meso-cephalic. Slight depression over left coronal suture, by estimate 6 cc. from middle line, corresponding to a cicatrix on scalp. Calvaria slightly increased in thickness from increase in the diploë, and readily separable from dura. Dura translucent; sinuses contained a moderate quantity of blood; inner surface smooth and shining. Pia showed slight degree of opacity along the vessels; meshes contained a moderate amount of clear fluid. Brain did not fill cavity of skull; weighed 1,247 grms. Considerable clear fluid escaped during its removal. Vessels of base and in fissure of Sylvius everywhere thin-walled and delicate. Lateral ventricles, each about five times the usual size, contained a clear fluid; ependyma of all ventricles thickened, granular, and warty. Section of brain substance in general showed it to be firm, rather pale gray, the cortex slightly, but uniformly, thinned, puncta cruenta few and small. Basal ganglia, pons, medulla, and cerebellum showed no abnormal appearances. Pia, when removed from convolutions anterior and posterior to fissure of Rolando, tore away with it portions of brain substance. Cord throughout was quite firm. Right lateral column throughout showed a varying degree of translucency, which was most marked in the middle dorsal region. Other pathological conditions as described in the diagnosis.

Microscopic examination of pia showed extensive round-cell infiltration; vessels normal. First layer of cortex showed a very slight increase in the fine neuroglia fibres, with an occasional spider-cell. Blood-vessels throughout cortex showed thickening of walls, in part due to hyaline change in wall, in part to round-cell infiltration of adventitia. Considerable pigment in adventitial lymph-spaces. Perivascular lymph-spaces in many places dilated. Nothing abnormal detected in the cord.

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1889.

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EDWARD M. GREENE. WILLIAM THAYER.

Surgical House Pupils, 1888–89.

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May.

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Mrs. John C. Gray. Mrs. S. Eliot.
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July, August, and September.

Mrs. R. S. Russell. Miss J. Motley.

August.

Miss Anna Rotch.

October.

Mrs. Wm. L. Putnam. Miss J. Motley.

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Admitting Asylum Patients.

Messrs. Dwight and Whitney.

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Free Beds.

Messrs. Bowditch and Proctor.

The General Library and Warren Fund.

Messrs. Eliot and Whitney.

Book of Donations.

Dr. Bemis.

Nominations.

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New Asylum and Grounds.

Messrs. Dwight, Eliot, Endicott, Bowditch, and Ames.

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2d Assistant Physician.

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May and November.

Messrs. BEMIS and PROCTOR.

June and December.

Messrs. WOLCOTT and KIMBALL.

SEVENTY-SIXTH ANNUAL REPORT

OF THE

TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

AND

McLEAN ASYLUM

1889

Printed at the Expense of the Bowditch History Fund

BOSTON
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1890

SEVENTY-SIXTH ANNUAL REPORT OF THE TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

For the Year 1889.

The Committee of Trustees, to whom was referred the Treasurer's report with the other documents, including annual reports and tabular statements from the several departments of the institution, respectfully submit herewith the Seventy-sixth Annual Report.

The reports for the year record little that is new or novel in the history of the Hospital and Asylum. There have been progress and improvement, of course. Institutions like this cannot stand still. There must be either growth or decay. With the increase of population comes a corresponding increase in the number of those who are included in the scope of their beneficent operations. This necessitates constant enlargement and extension, and these changes bring with increasing facilities improved methods and instrumentalities for the alleviation of human suffering.

The accompanying reports show that as much progress has been made during the year as could have been expected with the means at disposal; but it also appears that contributions are needed, not only in small sums from persons of moderate means for the ordinary work of the Hospital and Asylum, but in larger gifts from the benevolent wealthy for permanent improvements in the plant.

From the accompanying reports, it will be found that during the year medical treatment has been furnished to 27,292 persons, an increase of 4,903 over the previous year. As usual, by far the larger part of these have been treated without charge,— 22,939 being new out-patients treated at the Hospital. Of the remainder, 2,825 occupied free beds at the Hospital, 429 at the Convalescent Home, 9 at the Asylum, and 864 paid wholly or in part their cost to the Hospital or Asylum. Of the paying patients, 594 were inmates of the Hospital, 270 of the Asylum, and 3 of the Convalescent Home.

The entire cost of the work of the year was $304,-141.00, an increase of $19,818.82 from the previous year. It was divided as follows: Hospital, $146,-829.27; Asylum, $146,574.09; Convalescent Home, $10,737.64.

Of this amount, $163,019.43 came from paying patients, $136,318.30 from the McLean Asylum, $24,-824.13 from the Hospital, and $1,877 from the Convalescent Home. To these were added $102,612.53, income from various funds applicable, and $11,850, from free-bed subscriptions, leaving a deficit of $26,-659.04 to be drawn from the principal of the General Fund.

While it may be true that there is nothing alarming in the circumstance of a deficit, the ordinary expenditures having exceeded the income for the past seven years, the fact that the deficit for 1889 is larger than that of any previous year should not escape attention. In 1883 expenses exceeded income by $13,-296.47, in 1884 by $26,374.15, in 1885 by $8,833.03, in 1886 by $14,636.85, in 1887 by $18,772.14, in 1888 by $16,150.76, making a total of $124,405.81.

It will be found, upon examination, that the free-bed system, to which these deficits are due, has grown

very much out of proportion to the increase in the funds and subscriptions by which it is maintained,— the number of free beds having increased from 1,633 in 1883 to 2,825 in 1889. Attention was called to this feature in the Treasurer's statement in the Annual Report for 1887, and it was then suggested that a more rigorous scrutiny be made into the ability of patients to pay who applied to be supported without charge. An appeal was at the same time made for an increase in the yearly subscriptions, with the alternative of a reduction in the number of free patients. The whole amount received from "Free Bed Funds," including subscriptions, during the year, was $51,901.94. The cost of maintenance was $131,-216.80. Deficit for 1889, $79,314.86; for 1888, $69,-306.11.

In view of the fact that the yearly subscriptions for free beds were only $11,850 for 1889, a decrease of $250 from the previous year, the Trustees feel justified in reiterating that appeal with still greater urgency. The Trustees are satisfied that the abuses to which such benevolent enterprises are inevitably exposed are in this case confined to the narrowest limits; and they accordingly appeal with confidence for a more generous support, that the scope of this beneficent work may be enlarged rather than restricted.

Donations and legacies to the amount of $41,526.77 have been received during the year. From the same source in 1888, the receipts were $77,205.21, of which $50,000 came from Miss Helen C. Bradlee as a memorial to her brother, the late J. Putnam Bradlee, and was devoted to building the Bradlee Ward and Theatre.

The donations and legacies for the year were as follows: —

Bequest of George Higginson for patients at the Asylum,	$10,000.00
Bequest of Stanton Blake,	10,000.00
Bequest of Sidney Bartlett for free beds,	10,000.00
Donation of Lydia B. Taft and O. A. Taft to "Surgical Instrument Fund,"	100.00
Donation of P. K. to "Wooden Leg Fund,"	100.00
Residue of bequest of Ella Roehl for free beds,	885.02
Donation of Mary Dow, under the will of James B. Dow, to be called "James B. and Mary Dow Fund for Free Beds,"	5,000.00
Part of bequest of M. P. Sawyer for free beds,	4,846.75
Donation of Helen C. Bradlee for Convalescent Home,	500.00
Donation of Charles S. Bixby to "Surgical Instrument Fund,"	25.00
Donation of Arthur T. Cabot to "Samuel Cabot Fund," balance of salary of Pathologist for 1888,	70.00
Total,	$41,526.77

There have been few changes in the Medical and Surgical Staff during the year. Dr. Harold C. Ernst has been appointed one of the Physicians upon the out-patient staff, Dr. George L. Walton as Physician to out-patients with diseases of the nervous system, and Dr. Franklin H. Hooper as Physician to out-patients with diseases of the throat.

During the year, the Vice-President of the corporation, Mr. George Higginson, long a faithful friend and efficient officer of the institution and one of its most liberal contributors, has died. At a meeting of the Trustees on May 3, 1889, the following minute was adopted: —

> The Trustees desire to express their respect for the memory of George Higginson and their grateful appreciation of his long services as Trustee and Vice-President of the Hospital. His generous gifts and his high personal qualifications for serving the Hospital rendered him one of our chief benefactors.

During the year, a shop for the construction of surgical appliances has been built, for the equipment

of which the sum of $1,200 was appropriated. The old amphitheatre has been altered for the uses of a dining-room for nurses,— an improvement long needed, and which is highly appreciated. The electric lighting system operated by the Hospital plant is now complete and working successfully.

The Hospital Library is still in need of contributions, very few new books, and these mostly of a cheap class of novels, having been added to its shelves during the year.

The Trustees desire to call special attention to the fact that children, including infants, continue to be received and treated at the Hospital in all cases not excluded by standing rules.

The enlargement of the Gymnasium at the Asylum at a cost of $2,000, has been authorized. An appropriation of $600 has been made for the equipment of the Pathological Department at the Asylum, and one of $200 for lessons to the nurses in the Swedish Movement System.

So long as the present buildings and grounds are occupied by the McLean Asylum, it cannot be expected that this department will do more than keep up with similar institutions throughout the country in the quality of its work. It is a circumstance full of encouragement, however, that, notwithstanding the embarrassments under which the officials continue to labor, their conscientious devotion and singleness of purpose are sufficient to overcome all ordinary obstacles, so that the satisfaction is afforded them of reporting progress and improvement in some direction each year. New appliances for the comfort and entertainment of patients are constantly being added to the equipment, every new discovery of medical science in the treatment of the insane receives careful consideration, improved methods are tested, and, if

approved, at once adopted; while the long waiting for the new buildings at Belmont has been compensated for in some measure by the careful study of plans for their construction, promising, in what we hope is a near future, the happiest results.

The difficulties by which the institution is hampered in its present environment have been dwelt upon at length in previous reports, and need not be repeated here. It is enough to say that they are increasing each year,— in fact, growing to be an almost insurmountable obstacle to the best work. The Trustees believe that the charitably disposed can hardly find a more inviting field for their benefactions or one that promises a more adequate return, than in liberal contributions to the fund for new buildings at Belmont.

The securities and other evidences of property in the hands of the Treasurer have been examined and found correct.

FREDERICK L. AMES,
THORNTON K. LOTHROP,
Committee.

REPORT OF THE TREASURER

OF THE

MASSACHUSETTS GENERAL HOSPITAL.

TO THE BOARD OF TRUSTEES:

Gentlemen,— In accordance with the Fifth Article of the By-Laws, the report of the accounts of the Massachusetts General Hospital, made up to the last day of December, 1889, is respectfully submitted to be laid before the Corporation at its annual meeting.

Dr. FRANKLIN HAVEN, JR., *Treasurer, in account with the* MASSACHUSETTS GENERAL HOSPITAL. *Cr.*

To Balance Cash on hand Dec. 31, 1888,	$23,099.13	By Cash paid Insurance,	$1,437.64
" Railroad Bonds sold,	99,870.00	" " " Annuitants,	3,179.52
" One-third profits Mass. Hospital Life Ins. Co.,	5,000.00	" " " Annual Report, 1888,	535.70
" Donations and legacies,	41,526.77	" " " Taxes at Belmont,	456.00
" Income from investments,	119,392.99	" " " Expenses of Hospital,	146,829.27
" Notes Receivable,	8,000.00	" " " Expenses of Asylum,	146,574.09
" Board of paying patients at Asylum,	136,318.30	" " " Expenses of Convalescent Home,	10,737.64
" Board of paying patients at Hospital,	24,824.13	" " " Investments in real estate,	106,748.55
" Board of paying patients at Convalescent Home,	1,877.00	" " " Library,	309.71
" Subscribers for Free Beds ($5,125 received for this purpose in 1888),	6,725.00	" " " Wooden legs,	355.00
" Subscribers for Free Beds for 1890 in advance,	6,500.00	" " " Tramway, Hospital,	5,936.75
" Premiums on bonds sold,	6,932.00	" " " Electric Lighting, Hospital,	10,224.54
		" " " Ward E and Theatre, Hospital,	8,910.65
		" " " Warren Prize Fund,	500.00
		" " " Dr. Cowles,	4,183.47
		" " " Dr. Pratt,	312.14
		" Balance Cash on hand Dec. 31, 1889,	32,834.65
	$480,065.32		$480,065.32

The expenses of carrying on the business of the Corporation for the year 1889 have been $304,141:—

On account of Hospital Department, . . .	$146,829.27	
" " " McLean Asylum, ...	146,574.09	
" " " Convalescent Home, ...	10,737.64	
		$304,141.00

These expenses have been met from:—

Amount charged to patients, ...	$163,019.43	
Income from various funds applicable, . . .	102,612.53	
Subscriptions for Free Beds for 1889, . . .	11,850.00	
Deficit drawn from the General Fund, . . .	26,659.04	
		$304,141.00

The expenses at the Hospital have exceeded the receipts $26,342.41; the expenses at Convalescent Home have exceeded the receipts $561.44; and the receipts at the McLean Asylum have exceeded the expenses $244.81, making a net deficit of $26,659.04.

TABLE No. 1.

HOSPITAL DEPARTMENT.

Expenses and receipts for the year 1889:—

Expenses at the Hospital (see Table 4), . .		$146,829.27
Receipts.		
Income from Redman Fund (see Table 7), .	$27,306.78	
" " Free Bed Funds (see Table 7), .	40,051.94	
" " Funds, income unrestricted (see Table 7), ...	2,700.00	
" " General Fund (see Table 7), .	13,754.01	
" " Free Bed Subscriptions (see Table 8), ...	11,850.00	
Amount charged to patients, ...	24,824.13	
Deficit from General Fund, ...	26,342.41	
		$146,829.27

TABLE No. 2.

McLEAN ASYLUM.

Expenses and receipts for the year 1889: —

Expenses at the Asylum (see Table 5), . . .		$146,574.09
Receipts.		
Income from Fund for Beneficiaries, ...	$4,800.60	
" " " " Female Beneficiaries, .	5,100.00	
" " Amusement Fund, ...	600.00	
Amount charged to patients, ...	136,318.30	
		146,818.90
Balance of Receipts over Expenses credited to the General Fund, ...		$244.81

TABLE No. 3.

CONVALESCENT HOME.

Expenses and receipts for the year 1889: —

Expenses at Convalescent Home (see Table 6),		$10,737.64
Receipts.		
Income from Convalescent Home Fund, . .	$8,299.20	
Amount charged to patients, ...	1,877.00	
		10,176.20
Balance of Expenses over Receipts charged to the General Fund, ...		$561.44

TABLE No. 4.

Expenses of the Hospital Department: —

For Stores, ...	$46,624.02
Gas and Oil, ...	1,040.35
Water and Ice, ...	3,266.96
Wages, ...	35,847.66
Medicine, ...	4,575.56
Furniture, ...	10,863.37
Surgical Instruments, ...	4,244.34
Stationery, ...	897.34
Wines and Liquors, ...	3,836.46
Salaries, ...	4,282.50
One-half General Expenses, ...	954.18
Fuel, ...	12,483.92
Contingencies, ...	2,357.18
Repairs, ...	15,555.43
	$146,829.27

These expenditures have been for account of: —

2,825 Free Patients for 9,620 weeks, ...	$131,216.80	
594 Paying Patients for 1,144 weeks, . . .	15,612.47	
		$146,829.27
The average number of patients was, in 1888,	193	
The average number of patients has been, in 1889, ...	207	
The average cost per week in 1888 was . . .	$13.47	
The average cost per week in 1889 has been .	13.64	
The total expenses were, in 1888, ...	135,229.47	
The total expenses have been, in 1889, . . .	146,829.27	
The amount paid for account of free patients,		$131,216.80
The amount received for them has been: —		
From Income of Free Bed Funds, . . .	$40,051.94	
From Subscribers for this object . . .	11,850.00	
		$51,901.94

The deficiency has been drawn in part from the income of the various funds applicable to the purpose, and the remainder from the General Fund.

TABLE No. 5.

EXPENSES OF THE ASYLUM DEPARTMENT.

For Stores, ...	$43,053.83	
Laundry, ...	9,527.38	
Fuel, ...	7,506 05	
Stationery, ...	415.56	
Medicines and Liquors, ...	2,187.90	
Contingencies, ...	2,458.17	
Furniture, ...	8,245.39	
Repairs, ...	14,560 30	
Diversions, ...	1,484.72	
Belmont Improvements, ...	1,375.37	
Water and Ice, ...	3,124.47	
Lights, ...	3,006.90	
Wages, ...	31,441.06	
Salaries, ...	10,503.16	
One-half General Expenses, ...	954.17	
Library, ...	600.00	
Stables, ...	5,128.26	
Garden, ...	2,512.88	
Carriages, ...	217.00	
		$148,302.57
Less Cr. Clothing, $249.34; Farm, $1,479.14,		1,728.48
		$146,574.09

These expenditures have been for account of: —

Patients paying cost and more,		$27,974.52
Patients paying less than cost,		118,599.57
		$146,574.09
The average number of patients in 1888,	164	
The average number of patients in 1889,	168	
The average cost per week in 1888,	$15.98	
The average cost per week in 1889,	16.51	
The total expenses in 1888,		$139,178.98
The total expenses in 1889,		146,574.09
The amount expended at the Asylum for patients who have paid less than cost has been,		$118,599.57
The amount received has been: —		
From patients, 7,142 weeks' board at less than cost,	$72,211.53	
Income of Fund for Beneficiaries,	4,800.60	
Income of Funds for Female Beneficiaries,	5,100.00	
Income of Amusement Fund,	600.00	
		82,712.13
		$35,887.44

The deficiency has been more than met by patients paying more than cost, and a balance $244.81 credited to the General Fund.

TABLE No. 6.

EXPENSES OF THE CONVALESCENT HOME.

For Stores,		$5,357.41
Gas and Oil,		61.92
Furniture,		361.42
Wages,		2,991.56
Fuel,		794.19
Ice,		147.90
Repairs,		473.54
Contingencies,		471.46
Surgical Instruments,		29.46
Medicines,		47.53
Wines and Liquors,		1.25
		$10,737.64
Whole number of patients admitted during the year, males,	229	
Whole number of patients admitted during the year, females,	202	
	431	
Number of patients Jan. 1, 1889,	19	
		450

Whole number discharged during the year,		431
Remaining, Jan. 1, 1890, males,	16	
Remaining, Jan. 1, 1890, females,	3	
		19

TABLE No. 7.

INCOME FROM INVESTMENTS.

From Annuities Receivable,	$6,400.00
City and Town Bonds,	680.00
Mass. Hospital Life Ins. Co. Stock,	4,000.00
Railroad Bonds,	39,793.46
Manufacturing Stocks,	3,774.00
Bank Stocks,	5,445.08
Real Estate, Productive,	51,442.14
Notes Receivable,	5,499.20
Interest,	387.91
Railroad Stocks,	1,940.00
Del. Mut. Ins. Co.,	31.20
	$119,392.99

Which has been distributed as follows: —

To G. H. Gay Fund,		$368.55
Redman Fund,		27,306.78
Warren Prize Fund,		214.80
Bowditch History Fund,		120.00
Wooden Leg Fund,		303.00
Redman Annuities,		696.00
Clara Barton Annuity,		194.46
Surgical Instrument Fund,		84.00
Amusement Fund,		600.00
Free Bed Funds, { for use,	$40,051.94	
Free Bed Funds, { for Joy Annuitants,	600.00	40,651.94
Beneficiaries at Asylum Funds,		4,800.60
Warren Library Fund,		60.00
One-half Lincoln Fund,— Female Beneficiaries,		5,100.00
Funds with Income Unrestricted,		2,700.00
General Fund,		13,754.01
Convalescent Home Fund,		8,299 20
Asylum Building Fund,		11,919.65
Whittemore Fund,		1,500.00
Urbino Fund,		300.00
Treadwell Library Fund,		300.00
Samuel Cabot Fund,		60.00
Hibbard Fund,		60.00
		$119,392.99

The Income for 1887 was	$108,486.35
The Income for 1888 was	115,861.58
The Income for 1889 has been	119,392.99

TABLE No. 8.

SUBSCRIBERS FOR FREE BEDS FOR 1889.

Oliver Ames & Sons' Corporation,	$100	George Higginson,	$100
C. W. Amory,	100	Miss E. Hooper,	100
William Amory,	100	E. W. Hooper,	100
D. H. Andrews,	100	George D. Howe,	100
Boston & Albany R.R. Co.,	500	Francis W. Hunnewell,	100
Boston & Lowell R.R. Co.,	300	Samuel Johnson,	100
Boston & Maine R.R. Co.,	500	David P. Kimball,	100
Boston & Providence R.R. Co.,	100	L. C. Kimball,	100
Mrs. E. B. Bowditch,	200	Amory A. Lawrence,	100
J. L. Bremer,	100	Mrs. Amos A. Lawrence,	100
Richard Briggs,	100	Mrs. Anna C. Lodge,	100
Martin Brimmer,	100	Thornton K. Lothrop,	100
P. C. Brooks,	100	Mrs. Thornton K. Lothrop,	100
Shepherd Brooks,	100	Theodore Lyman,	100
William S. Bullard,	100	Thomas Mack,	100
Mrs. Laura M. Case,	100	Miss Ida M. Mason,	100
J. Randolph Coolidge,	100	W. Powell Mason,	100
J. T. Coolidge, Jr.,	100	Mass. Humane Society,	200
T. Jefferson Coolidge,	100	Mrs. Caroline Merriam,	100
T. Jefferson Coolidge, Jr.,	100	Charles Merriam,	100
Mrs. Arthur Croft,	100	Miss M. C. Mixter,	100
Charles P. Curtis,	100	C. J. Morrill,	100
Greely S. Curtis,	100	N.Y. & N.E. R.R. Co.,	125
Mrs. J. G. Cushing,	100	Old Colony R.R. Co.,	500
F. Gordon Dexter,	100	F. W. Palfrey,	100
George Dexter,	300	F. H. Peabody,	100
Mrs. C. H. Dalton,	100	C. E. Perkins,	100
C. H. Dalton,	100	W. D. Pickman,	100
Edmund Dwight,	100	A. L. Rotch,	100
Samuel Eliot,	100	Mrs. B. S. Rotch,	100
William Endicott, Jr.,	100	Henry Saltonstall,	100
Employers' Liability Assurance Corporation, Lim'd,	100	F. R. Sears,	100
Mrs. Elizabeth E. Fay,	100	Mrs. G. H. Shaw,	100
Henry H. Fay,	100	Henry S. Shaw,	100
Joseph S. Fay,	100	J. P. Squire & Co.,	200
Joseph S. Fay, Jr.,	100	Bayard Thayer,	100
Fitchburg R.R. Co.,	500	Nathaniel Thayer,	200
John Foster,	100	George W. Wales,	100
George A. Gardner,	100	Mrs. Charles E. Ware,	100
John L. Gardner,	200	Otis E. Weld,	100
Joseph B. Glover,	100	Miss Anne Wigglesworth,	200
Miss Eliza Goodwin,	100	R. C. Winthrop, Jr.,	100
Mrs. Mary P. Greenleaf,	100	Mrs. Thomas Lindall Winthrop,	100
W. O. Grover,	100	Henry Woods,	100
F. Haven, Jr.,	100	J. Huntington Wolcott,	100
F. L. Higginson,	100	Mrs. J. Huntington Wolcott,	100
		Other donations,	25
			$11,850

TABLE No. 9.— LIBRARY FUNDS.

TREADWELL LIBRARY FUND.

Balance, Dec. 31, 1888: —		
Principal,		$5,000.00
Income,	$42.42	
1889, Income received,	300.00	
	$342.42	
Income expended,	309.71	
	$32.71	
Balance, Dec. 31, 1889: —		
Principal,		5,000.00
Income,	$32.71	

WARREN LIBRARY FUND.

Balance, Dec. 31, 1888: —		
Principal,		$1,000.00
Income,	$699.62	
1889, Income received,	60.00	
	$759.62	
Balance, Dec. 31, 1889: —		
Principal,		1,000.00
Income,	$759.62	

TABLE No. 10.

WOODEN LEG FUND.

Balance, Dec. 31, 1888: —		
Principal,		$5,000.00
Donations,		100.00
Income,	$250.19	
1889, Income received,	323.00	
	$573.19	
Income expended,	375.00	
	$198.19	
Balance, Dec. 31, 1889: —		
Principal,		5,100.00
Income,	$198.19	

TABLE No. 11.

THE BOWDITCH HISTORY FUND.

Balance, Dec. 31, 1888: —		
Principal,		$2,000.00
Income,	$696.15	
1889, Income received,	120.00	
	$816.15	
Income expended,	535.70	
	$280.45	
Balance, Dec. 31, 1889: —		
Principal,		2,000.00
Income,	$280.45	

TABLE No. 12.

GENERAL FUND.

Balance, Dec. 31, 1888,	$1,153,582.23	
Add one-third profits of Mass. Hospital Life Ins. Co.,	5,000.00	
Add premiums on bonds sold,	6,932.00	
		$1,165,514.23
Less balance of Insurance Account,	$1,437.64	
Less amount paid Estate of J. Wilson, Annuitant,	33.52	
Less amount paid for Tramway at Hospital,	5,936.75	
Less amount paid on account Bradlee Ward (E), Hospital,	8,910.65	
Less amount paid on account Electric Lighting, Hospital,	10,224.54	
Less balance of expenses over Income,	26,659.04	
Balance, Dec. 31, 1889,	1,112,312.09	
		1,165,514.23

The above payments for Bradlee Ward, Tramway, and Electric Lighting, amounting to $25,071.94, added to the payments in 1888 for those purposes,— namely, $27,513.82,— exceed by only $2,585.76 Miss Bradlee's donation of $50,000 to the General Fund for such purposes.

TABLE No. 13.

RESTRICTED FUNDS.

Income devoted to Free Beds: —

The Joy Fund, being a bequest from Miss Nabby Joy,	$20,000.00
Belknap Fund, being a bequest from Jeremiah Belknap,	10,000.00
Wm. Phillips Fund, being a bequest from Wm. Phillips,	5,000.00
Williams Fund, being a bequest from John D. Williams, of estate No. 17 Blackstone Street,	19,600.00
Bromfield Fund, being half of a bequest from John Bromfield,	20,000.00
Miss Townsend Fund, being a donation from the Executors of the will of Miss Mary P. Townsend,	11,486.50
Amount carried forward,	$86,086.50

Amount brought forward, ...	$86,086.50
Brimmer Fund, being a bequest from Miss Mary Ann Brimmer, ...	5,000.00
Wilder Fund, being a bequest from Charles W. Wilder, ...	12,000.00
Sever Fund, being a bequest from Miss Martha Sever, ...	500.00
Thompson Fund, being a bequest from S. B. Thompson, ...	500.00
Tucker Fund, being a bequest from Miss Margaret Tucker, ...	3,312.37
Davis Fund, being a bequest from Mrs. Eleanor Davis, ...	900.00
Loring Fund, being a bequest from Abigail Loring, ...	5,000.00
Nichols Fund, being a bequest from B. R. Nichols, ...	6,000.00
Gray Fund, being a donation from John C. Gray, ...	1,000.00
Dowse Fund, being a bequest from Thomas Dowse, ...	5,000.00
Todd Fund, being a bequest from Henry Todd, ...	5,000.00
J. Phillips Fund, being a bequest from Jonathan Phillips, ...	10,000.00
Greene Fund, being a bequest from Benj. D. Greene, ...	5,000.00
Percival Fund, being a bequest from John Percival, ...	950.00
Pickens Fund, being a bequest from John Pickens, ...	1,676.75
Treadwell Fund, being part of a bequest from J. G. Treadwell, ...	38,703.91
Raymond Fund, being a bequest from E. A. Raymond, ...	2,820.00
Harris Fund, being part of a bequest from Charles Harris, ...	1,000.00
Mason Fund, being a bequest from Wm. P. Mason, ...	9,400.00
Sawyer Fund, being part of a bequest from M. P. Sawyer, ...	7,000.00
J. L. Gardner Fund, being a donation from J. L. Gardner, ...	20,000.00
B. T. Reed Fund, being a donation from Benj. T. Reed, ...	1,000.00
Wm. Reed Fund, being a bequest from Wm. Reed, ...	5,233.92
Amount carried forward, ...	$233,083.45

Amount brought forward, ...	$233,083.45
McGregor Fund, being half of a donation and bequest from James McGregor, .	7,500.00
Miss Rice Fund, being a bequest from Miss Arabella Rice, ...	5,000.00
Templeton Fund, being half of a bequest from John Templeton, ...	5,000.00
Mrs. J. H. Rogers Fund, being a donation from J. H. Rogers, ...	1,177.50
Beebe Fund, being a bequest from J. M. Beebe, ...	50,000.00
Lincoln Fund, being half of a bequest from Mrs. F. W. Lincoln, ...	85,000.00
Blanchard Fund, being a bequest from Mrs. M. B. Blanchard, ...	4,000.00
George Gardner Fund, being a donation from George Gardner, ...	1,000.00
Hemenway Fund, being a donation from the Executors of the will of Augustus Hemenway, ...	20,000.00
Jessup Fund, being part of a bequest from Dr. Chas. A. Jessup, ...	1,000.00
Tufts Fund, being a bequest from Quincy Tufts, ...	10,000.00
Read Fund, being half of a bequest from Jas. Read, ...	1,000.00
Parker Fund, being a bequest from Jno. Parker, Jr., ...	10,000.00
Miss Shaw Fund, being a donation and bequest from Miss M. Louisa Shaw, .	5,500.00
Eliza Perkins Fund, being a donation from Mrs. H. B. Rogers, ...	1,000.00
Dwight Fund, being a donation from Mrs. T. Bradford Dwight, ...	1,000.00
Hunnewell Fund, being a donation from H. H. Hunnewell, ...	10,000.00
R. M. Mason Fund, being a bequest from R. M. Mason, ...	5,000.00
Hannah Lowell Cabot Fund, being a donation from Dr. Samuel Cabot, . . .	1,000.00
Welles Fund, being a donation from Miss Jane Welles, ...	5,000.00
Black Fund, being a bequest from Miss Marianna Black, ...	2,000.00
Eben Wright Fund, being an assignment of legacies by the children of T. Jefferson Coolidge, ...	14,000.00
Amount carried forward, ...	$478,260.95

Amount brought forward, ...	$478,260.95	
Paraclete Holmes Fund, being a donation from W. S. Adams, ...	2,000.00	
Estabrooks Fund, being a bequest from J. W. Estabrooks, ...	1,000.00	
The Thayer Fund, being a bequest from Nathaniel Thayer, ...	30,000.00	
Sawyer Fund, being part of a bequest from M. P. Sawyer, ...	66,499.81	
Ann E. Gray Fund, being a bequest from Miss Ann E. Gray, ...	5,000.00	
John Bertram Fund, being a donation from Mrs. Clara Bertram Kimball, .	5,000.00	
Hannah C. Leland Fund, being a bequest from Mrs. Hannah C. Leland, . . .	15,000.00	
Esther E. Beebe Fund, being a bequest from Mrs. Esther E. Beebe, . . .	2,000.00	
Ella F. Roehl Fund, being part of a bequest from Ella F. Roehl, . . .	8,085.02	
Two subscriptions from Friends, $100 each, ...	200.00	
Henry B. Rogers Fund, being a bequest from Henry B. Rogers, ...	10,000.00	
John H. Eastburn Fund, being a bequest from John H. Eastburn, ...	10,000.00	
Mrs. Susan F. Eastburn Fund, being a bequest from Mrs. Susan F. Eastburn,	1,000.00	
William B. Craft Fund, being a bequest from William B. Craft, ...	5,000.00	
Emily W. Appleton Fund, being a donation from Mrs. Emily W. Appleton, .	1,000.00	
Charles R. Hayden Fund, being a donation from Mrs. Annie Ruth Hayden,	2,000.00	
Spaulding Fund, being a donation of Mahlon D. and John P. Spaulding, .	10,000.00	
Shattuck Fund, being a donation of Mrs. George C. Shattuck, ...	500.00	
Joel Spalding Fund, being a donation of Miss Sarah R. Spalding, ...	3,000.00	
McGregor Fund, being a bequest of Mrs. James McGregor, ...	1,000.00	
Bartlett Fund, being a bequest of Sidney Bartlett, ...	10,000.00	
Jas. B. and Mary Dow Fund, being gift of Mary Dow, under the will of James B. Dow, ...	5,000.00	$671,545.78
Amount carried forward, ...		$671,545.78

Amount brought forward, ...		$671,545.78
Income devoted to beneficiaries at Asylum:—		
The Bromfield Fund, being half of a bequest from John Bromfield, ...	$20,000.00	
Read Fund, being half of a bequest from Jas. Read, ...	1,000.00	
Appleton Fund, $10,010 being a bequest from Samuel Appleton, $20,000 being a donation from Wm. Appleton, . .	30,010.00	
McGregor Fund, being half of a donation and bequest from James McGregor, .	7,500.00	
Austin Fund, being part of a bequest from Mrs. Agnes Austin, ...	5,000.00	
Kittredge Fund, being a bequest from Rufus Kittredge, ...	5,500.00	
Templeton Fund, being half of a bequest from John Templeton, ...	5,000.00	
Proctor Fund, being a bequest from Mrs. Lydia P. Proctor, ...	1,000.00	
Higginson Fund, being a bequest from George Higginson, ...	10,000.00	
		85,010.00
Income devoted to Female Beneficiaries at Asylum:—		
The Lincoln Fund, being half of a bequest from Mrs. F. W. Lincoln, ...		85,000.00
Income unrestricted:—		
The Waldo Fund, being a bequest from Daniel Waldo, ...	40,000.00	
The Blake Fund, being a bequest from Stanton Blake, ...	10,000.00	
		50,000.00
Income devoted to any purpose except buildings:—		
The Redman Fund, being a bequest from John Redman, ...		455,113.34
Income devoted to a Triennial Prize:—		
The Warren Prize Fund, being a bequest from Dr. J. M. Warren, ...		3.579.92
Amount carried forward, ...		$1,349,849.04

Amount brought forward, ...		$1,349,849.04
Income devoted to the Library:—		
The Treadwell Library Fund, being part of a bequest from J. G. Treadwell, . . .		5,000.00
Income devoted to Books for Patients:—		
The Warren Library Fund, being a donation from Dr. J. C. Warren, ...		1,000.00
Income and Principal devoted to the publication of a History of the Hospital:—		
The Bowditch History Fund, being a bequest from N. I. Bowditch, ...		2,000.00
Income devoted to Amusements at the Asylum:—		
The Amusement Fund, $5,000 being a bequest from Miss Mary Louisa Shaw, $5,000 being a donation from Mrs. Quincy A. Shaw and other Ladies, ...		10,000.00
Income devoted to Special Surgical Instruments:—		
The Surgical Instrument Fund, being a donation from Dr. H. J. Bigelow, $1,250; donation of Mr. R. M. Moore, $100; donation of Lydia B. & O. A. Taft, $100; donation of Chas. S. Bixby, $25, ...		1,475.00
The Wooden Leg Fund:—		
Being a bequest from N. I. Bowditch, $5,000; donation of P. K., $100, ...		5,100.00
The Convalescent Home Fund,	$132,280.66	
Amounts carried forward, ...	$132,280.66	$1,374,824.04

Amounts brought forward,	$132,280.66	$1,374,824.04
Donation from Mr. George A. Gardner,	5,000.00	
Donation from Miss Mary Russell,	40.00	
Bequest of Elizabeth B. I. B. Dixwell,	1,000.00	
Donation from Miss Helen C. Bradlee,	500.00	
		138,820.66
Permanent Free Beds: —		
Miss Marian Hovey,	$1,000.00	
Mrs. Fanny H. Morse,	1,000.00	
Henry S. Hovey,	1,000.00	
Edward Woodman,	1,000.00	
Children of Mrs. Henry Winsor,	1,000.00	
D. R. Whitney,	1,000.00	
George Gardner,	1,000.00	
Mrs. Nathaniel Thayer,	1,000.00	
Edward F. Daland,	1,000.00	
Mrs. Anna I. Phillips,	1,000.00	
Miss Helen W. Faulkner,	1,000.00	
		11,000.00
Redman Annuities,		11,600.00
Clara Barton Annuity,		3,241.00
Asylum Building Fund,		210,580.48
G. H. Gay Fund,		6,511.08
Dr. J. H. Whittemore Memorial Fund,		33,720.00
S. R. Urbino Fund,		5,000.00
Hibbard Occupation Fund,		1,000.00
Samuel Cabot Fund for Pathological Investigation,		1,000.00
Amount carried forward,		$1,797,297.26

Amount brought forward, ...		$1,797,297.26
Add unused income at credit of		
Warren Prize Fund, ...	$289.91	
Warren Library Fund, ...	759.62	
Bowditch History Fund, ...	280.45	
Surgical Instrument Fund, ...	1,640.21	
Wooden Leg Fund, ...	178.19	
Clara Barton Annuity, ...	580.14	
Treadwell Library Fund, ...	32.71	
Hibbard Occupation Fund, ...	80.00	
		3,841.23
Total of Restricted Funds, ...		$1,801,138.49

TRIAL BALANCE, DECEMBER 31, 1889.

Dr.		*Cr.*	
Land and Buildings for Asylum,	$320,794.75		
Land and Buildings for Hospital,	605,426.54		
Land and Improvements at Belmont,	90,656.51		
Annuities Receivable,	160,000.00		
Insurance Stock,	50,000.00		
Reversions,	10.00		
Delaware Mutual Insurance Company's Scrip,	520.00		
Manufacturing Companies Stocks,	47,400.00		
Bank Stocks,	84,200.00		
Railroad Stocks,	25,500.00		
Railroad Bonds,	578,230.00		
City and Town Bonds,	13,000.00		
Notes Receivable,	94,100.00		
Real Estate, Productive,	789,106.84		
Edward Cowles, Superintendent,	31,037.05		
John W. Pratt, Resident Physician,	2,092.79		
Balance Cash Dec. 31, 1889,	32,834.65		
	$2,924,909.13		
Redman Fund,		$455,113.34	
Warren Prize Fund,		3,579.92	$289.91
Bowditch History Fund,		2,000.00	280.45
Wooden Leg Fund,		5,100.00	198.19
Clara Barton Annuity,		3,241.00	580.14
Surgical Instrument Fund,		1,475.00	1,640.21
Amusement Fund,		10,000.00	
Free Beds Fund,		671,545.78	
Warren Library Fund,		1,000.00	759.62
Beneficiaries at Asylum Fund,		85,010.00	
Treadwell Library Fund,		5,000.00	32.71
Lincoln Fund,		85,000.00	
Funds with Income Unrestricted,		50,000.00	
Permanent Free Beds Fund,		11,000.00	
Asylum Building Fund,		210,580.48	
G. H. Gay Fund,		6,879.63	
Convalescent Fund,		138,820.66	
Dr. J. H. Whittemore Memorial Fund,		33,720.00	
S. R. Urbino Fund,		5,000.00	
Samuel Cabot Fund,		1,000.00	60.00
Hibbard Occupation Fund,		1,000.00	80.00
Redman Annuities,		11,600.00	
General Fund,		1,112,312.09	
Suspense (see "Reversions"),		10.00	
Notes Payable,		4,500.00	
Subscribers to Free Beds for 1890,		6,500.00	
		$2,920,987.90	$3,921.23
		3,921.23	
		$2,924,909.13	

Property on hand belonging to the Corporation invested as follows: —

INVESTMENTS PRODUCING NO INCOME.

Asylum:	Land and Buildings occupied for Asylum,	$320,794.75	
	Superintendent's balance,	31,037.05	
Hospital:	Land and Buildings occupied for Hospital,	605,426.54	
	Resident Physician's balance,	2,092.79	
Convalescent Home:	Land and Buildings at Belmont,	90,656.51	
	Memorandum of expectancies,	10.00	
			$1,050,017.64

INVESTMENTS PRODUCING INCOME.

Policies Mass. Hospital Life Ins. Co.,	$160,000.00
500 shares Mass. Hospital Life Ins. Co.,	50,000.00
$50,000 Eastern Railroad Co.'s 6 per cent. Bonds,	50,000.00
$20,000 Kansas City & Cameron Railroad 10 per cent. Bonds,	20,000.00
$5,000 Boston & Albany Railroad Co.'s 7 per cent. Bonds,	5,000.00
$100,000 Chicago, Bur. & Quincy R.R. 7 per cent. Bonds,	100,000.00
$52,000 Chicago, Bur. & Quincy R.R. 5 per cent. Bonds,	52,000.00
$10,000 Chicago, Bur. & Quincy R.R. 4 per cent. Bonds,	10,000.00
$15,000 Chicago, Bur. & Northern R.R. 6 per cent. Bonds,	15,000.00
$100,000 Atch., Topeka & Santa Fé R.R. 7 per cent. Bonds,	100,000.00
$82,000 Atch., Top. & Santa Fé R.R. Coll. Tr. 5 per cent. Bonds,	76,230.00
$50,000 Atch., Top. & Santa Fé R.R. 4 1-2 per cent. Bonds,	50,000.00
$38,000 Bur. & Mo. River in Neb. R.R., Non-ex. 6 per cent. Bonds,	38,000.00
$10,000 Atchison, Topeka & Santa Fé R.R. Land Grant 7 per cent. Bonds,	10,000.00
$10,000 Kansas City, Topeka & Western R.R. 7 per cent. Bonds,	10,000.00
$7,000 Cedar Rapids & Mo. River R.R. 7 per cent. Bonds,	7,000.00
$5,000 Bur., Cedar Rapids & Northern R.R. 5 per cent. Bonds,	5,000.00
$4,000 Ft. Scott, So. Eastern & Mem. R.R. 7 per cent. Bonds,	4,000.00
$10,000 Fremont, Elkhorn & Mo. Valley R.R. 6 per cent. Bonds,	10,000.00
$16,000 Old Colony Steamboat 6 per cent. Bonds,	16,000.00
$2,000 City of Providence 5 per cent. Bonds,	2,000.00
$6,000 City of Kansas 8 per cent. Bonds,	6,000.00
$3,000 City of Charlestown 6 per cent. Bonds,	3,000.00
$1,000 City of Lynn 6 per cent. Bonds,	1,000.00
$1,000 City of Chelsea 6 per cent. Bonds,	1,000.00
Amount carried forward,	$801,230.00

	Amount brought forward,	$801,230.00
100	Shares Old Colony R.R. Co.,	10,000.00
155	" Boston & Albany R.R. Co.,	15,500.00
14	" Merrimack Manufacturing Co.,	14,000.00
1	Share Appleton " "	1 000.00
9	Shares Amory " "	900.00
14	" Amoskeag " "	14,000.00
25	" Great Falls " "	2,500.00
5	" Boston " "	5,000.00
10	" Stark Mills " "	10,000.00
100	" National Union Bank,	10,000.00
100	" Suffolk National Bank,	10,000.00
70	" Tremont " "	7,000.00
25	" Old Boston " "	2,500.00
87	" State " "	8,700.00
100	" Columbian " "	10,000.00
160	" Merchants' " "	16,000.00
50	" New England National Bank,	5,000.00
40	" Massachusetts " "	10,000.00
50	" Eagle " "	5,000 00
Land and Store, 17 Blackstone Street,		19,600.00
" " " 168 Washington Street,		45,000.00
" " House, 61 Dartmouth Street,		10.000.00
Redman Estate, Washington Street,		106.000.00
Building on Floral Place,		46.794.41
Land and Stores, 496 to 500 Washington Street,		147,719.30
Land and Houses on Warrenton Street,		26,700.00
" " " " Chambers Street,		23,900.00
" " " " Cross Street,		9,191.64
" " House " Poplar Place,		2,500.00
Union Block, Union and Marshall Streets,		66,875.00
Robertson House, Hanover Street,		40,125.00
Real Estate, Fruit Street and vicinity,		94.701.49
Land and Buildings on Washington and Kneeland Streets.		150.000.00
Notes secured by Mortgage,		94,100.00
Delaware Mutual Ins. Co. Scrip,		520.00
Cash,		32,834.65
Investments producing income,		$1,874,891.49
The land and buildings on Washington Street, corner of Kneeland Street, were bought subject to a mortgage of $200,000, due May 26, 1890.		
Investments producing no income,		1,050,017.64
Total, foot of Trial Balance,		$2,924,909.13

F. HAVEN, JR., *Treasurer.*

TABLE OF THE EXPENSES OF THE HOSPITAL AND ASYLUM FOR TWENTY-EIGHT YEARS,—1862 TO 1889.

ORDINARY EXPENSES.

Year.	Cost of Paying Patients.	Cost of Free Patients.	Other Charities.	Total Expenses of		Average cost per week per patient.		Cost over Board.	
	Hospital.	Hospital.	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.
1862	$6,628.65	$35,072.01	$414.15	$42,114.81	$71,823.46	$6.04	$7.27	$36,260.92	$6,640.81
1863	6,151.27	40,575.14	695.30	47,421.71	69,300.63	6.66	6.98	41,109.46	2,170.56
1864	10,224.81	49,286.53	648.21	60,159.55	101,484.38	8.38	9.76	52,445.01	4,523.85
1865	23,119.62	34,131.83	717.35	57,968.80	120,885.84	9.86	12.49	43,121 53	9,507.86
1866	30,086.08	37,538.12	1,162 60	68,786.80	126,015.83	13.88	12.30	53,809.36	558.19
1867	26,086.67	33,758.02	1,164.53	61,009.22	133,844.14	11.28	13.84	44,291.54	
1868	23,663.50	42,481.71	1,419.26	67,564.47	142,535.36	12.74	16.51	52,893.02	14,642.07
1869	20,128.86	40,736.44	1,373.30	62,238.60	138,132.02	10.14	14.21	48,811.90	
1870	15 844.35	46,087.42	883.05	62,814.82	134,339.63	10.05	13.83	50,811.01	
1871	15,266.51	47,126.12	1,133.74	63,526.37	146,191.23	9.96	15.80	52,447.68	9,996.88
1872	12,664.70	56,537.74	1,497.86	70,700.30	153,327.60	10.10	16.93	59,547.91	14,917.57
1873	16,681.66	69,109.97	2,135.29	87,926.92	165,023.79	10.29	19.23	72,435.94	26,404.27
1874	14,198.41	64,266.27	2,634.60	81,099.28	161,934.11	10.13	19.59	67,548.81	2,750.66
1875	10,677.72	71,447.23	1,761.59	83,886.54	165,660.47	9.72	21.07	71,989.93	11,872.47
1876	11,344.58	82,033.60	1,312.94	94,691.12	164,973.80	9.41	19.72	82,027 86	13,019 51
1877	10,833.10	72,678.63	279.16	83,790.89	143,148.94	9.47	15.66	72,957.79	
1878	11,252.42	85,102.61	588.98	96,944.01	136,394.36	9.87	15.55	83.516.61	
1879	11,564.44	77,216.88	514.25	89,295.57	117,250.02	10.54	14.30	73,440.58	
1880	10,529.35	81,085.73	462.82	92,077.90	131,172.69	10.39	16.48	79,280.61	10,078.33
1881	13,462.12	88,241.17	450.51	102,153.80	134,561.14	11.87	16.92	88,268.68	20,719.30
1882	12,947.98	95,642.45	8,928.82*	117,519.25	138,518.26	12.43	17.02	95,684.95	18,172.21
1883	18,389.28	90,665.70	6,575.92*	115,630 90	139,711.39	12.63	16.16	91.213.57	5,376.89
1884	21,476.00	101,954.31	6,873.69*	130,304.00	139,201.67	14.75	16.00	107,974.18	2,612.02
1885	10,728.87	93,411 59	8,483.90*	112,624.36	140,278.86	11.99	15.72	87,464 96	
1886	13,423.09	99,054 20	10,831.84*	123,309.13	144,374 33	12.50	15 94	96,986 71	5,805.42
1887	15,337.90	105,543.61	9,856.94*	130,738.45	139,497.70	12.56	16.35	105,012.17	15,049 93
1888	15,594.88	119,634.59	10,785.86*	146,015.33	139,178.98	13.47	15.98	112,220.05	7,788.28
1889	15,612 47	131,216.80	10,737.64*	157,566.91	146,574.09	13.64	16.51	130,865.78	10,255.79
28 years.								$2,054,438.52	$212,862.87

* Including Convalescent Home.

ANNUAL REPORT OF THE RESIDENT PHYSICIAN

OF THE

MASSACHUSETTS GENERAL HOSPITAL

For the Year 1889.

Number of Patients in the Hospital January 1, 1890.

Paying,	14
Free,	191
Total,	205

Admitted from January 1, 1889, to January 1, 1890.

	Males.	*Females.*	*Total.*
Patients paying board,	300	200	500
Patients paying board part of the time,	60	34	94
Patients entirely free,	1,629	1,196	2,825
	1,989	1,430	3,419

	Medical.	*Surgical.*
Males (Boys), 135,	696	1,293
Females (Girls), 59,	614	816
Children (2), 43,		
	1,310	2,109

Of these, 1 paid $50; 1 paid $40; 75 paid $35; 93 paid $21; 107 paid $14; 1 paid $12; 76 paid $10.50; 28 paid $10; 179 paid $7; 3 paid $6; 25 paid $5; 5 paid $3.

Whole number of patients treated during the year: paying, 514; paying a part of the time, 94; free, 3,016; total, 3,624.

Discharged during the Year.

	Medical.	*Surgical.*	*Male.*	*Female.*	*Total.*
Well,	707	1,327	1,282	752	2,034
Much relieved,	154	188	153	189	342
Relieved,	145	182	144	183	327
Not relieved,	51	59	55	55	110
Not treated,	101	199	134	166	300
Dead,	138	147	198	87	285
Insane and eloped,	4	11	11	4	15
	1,300	2,113	1,977	1,436	3,413

Number of Patients remaining December 31, 1889.

Males,	127
Females,	78
Total,	205
Paying,	14
Free,	191
Total,	205
Medical,	89
Surgical,	116
Total,	205

Proportion of deaths to whole number of results, 8.79 per cent.

Number of patients received on account of accidents, 530.

The greatest number of paying patients at any one time was 29; in private rooms, 8; the greatest number of free patients, 205; the greatest total, 227. The least number of paying patients at any one time was 12; in private rooms, 1; the least free, 149; the least total, 170.

The proportion of ward beds occupied by free patients was 85 per cent.; by paying patients, 15 per cent.

About 18.6 of the paying patients occupied private

rooms. The average number of patients was 207: males, 117; females, 90.

The average number of paying patients was 22: Americans, 16; foreigners, 6.

The average number in private rooms was 6.

The average number of free patients was 185: Americans, 95; foreigners, 90.

The average time of paying patients was 2.28 weeks; and that of free patients, 3.40.

Residences.

Boston,	1,095
Massachusetts (excepting Boston),	2,010
Maine,	53
New Hampshire and Vermont,	141
Rhode Island and Connecticut,	52
Other States,	44
British Provinces,	24
	3,419

Birthplaces.

Boston,	195
Massachusetts (excepting Boston),	1,029
Maine,	164
New Hampshire,	125
Vermont,	63
Rhode Island and Connecticut,	57
New York,	71
Southern and Western States,	102
Total Americans,	1,806
British Provinces,	437
Great Britain,	173
Ireland,	758
Germany,	58
Norway and Sweden,	74
France,	18
Switzerland,	3
Italy,	33
Other places,	59
Total foreigners,	1,613

Occupations.

Males.	*Paying.*	*Free.*	*Partial.*
Mechanics,	46	368	16
Laborers,	24	396	21
Farmers,	28	76	6
Minors,	13	148	4
Seamen,	7	73	1
Clerks,	40	120	3
Teamsters,	10	66	5
Traders,	21	99	4
Servants,	10	58	
Lawyers,	8	8	
Clergymen,	4	8	
Physicians,	8	11	
Merchants,	59	38	
Students,	13	28	
Other professions,	9	132	
	300	1,629	60

Total males, 1,989. Of these, 58 were in private rooms.

Females.	*Paying.*	*Free.*	*Partial*
Domestics,	8	345	3
Minors,	8	74	5
Wives,	131	435	17
Widows,	18	78	2
Seamstresses,		51	2
Spinsters,	12	39	2
Operatives,	1	21	
Teachers,	2	17	
Clerks,	3	29	3
Nurses,	3	23	
Other professions,	14	84	
	200	1,196	34

Total females, 1,430. Of these, 35 were in private rooms.

12 per cent. of the free patients were female domestics; 14 per cent. were laborers; 13 per cent. were mechanics; and 8 per cent. were minors.

Admissions Refused.

Phthisis (Consumption),	17
Chronic Ulcers,	10
Scrofula and Abscesses,	10
Hip and Spine,	16
Debility and Senility,	10
Paralysis,	15
Epilepsy,	5
Of Skin,	10
Other diseases,	23
Total,	116

Males,	62
Females,	54
Americans,	57
Foreigners,	59
Residents of Boston,	46
Residents of Massachusetts,	31
Residents of other places,	39

Out-patients.

Number of new patients,	22,939
Men,	10,207
Women,	8,763
Children,	3,969
Americans,	11,575
Foreigners,	11,364
Residents of Boston,	12,150
Of other places,	10,789
Medical department for women,	4,586
Medical department for men and children,	4,859
Surgical department,	7,338
Ophthalmic department,	865
Department for diseases of skin,	2,346
Department for diseases of nervous system,	1,076
Department for diseases of the throat,	1,869

Total attendance, 56,280.

Average daily attendance, 179.

Of the surgical cases there were: —

Head and face,	557
Abscesses and Inflamed Glands,	823
Fractures of clavicle,	84
Trunk,	352
Shoulder joint and humerus,	208
Elbow,	145
Forearm and wrist,	540
Felons,	1,270
Thigh, leg, ankle, foot,	751
Knee,	341
Genito-urinary,	561
Disease of rectum,	218
Specific diseases,	110
Hernia,	176
Tumors, malignant,	176
Tumors, benignant,	172
Bones and Periosteum,	121
Ulcers,	243
Rheumatism and Neuralgia,	154
Burns and Miscellaneous,	336
Total,	7,338

Number of applicants,	18,135
Number admitted,	16,926
Number refused,	284
Number sent to physician's office,	925
Number visited,	1,216
Number visited, correct statement,	698
Number visited, incorrect statement,	518

Convalescent Home:—

Admitted to the Home in 1883,	101
Admitted to the Home in 1884,	187
Admitted to the Home in 1885,	315
Admitted to the Home in 1886,	295
Admitted to the Home in 1887,	308
Admitted to the Home in 1888,	397

	Males.	*Females.*	*Total.*
Remaining Jan. 1, 1889,	12	7	19
Admitted during 1889,	229	202	431
Total,	241	209	450
Discharged,	225	206	431
Remaining Jan. 1, 1890,	16	3	19

The Young Men's Christian Union gave us forty rides, taking out one hundred and seventy patients.

Respectfully submitted,

JOHN W. PRATT,
Resident Physician.

Boston, Jan. 1, 1890.

TABLE SHOWING THE COST OF THE PRINCIPAL STORES AT THE MASSACHUSETTS GENERAL HOSPITAL.

Articles.	1881.			1882.			1883.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, Sirloin, lbs.	8,658	$1,792.20	.207	7,856	$1,931.95	.245	8,793	$1,975.38	.224
" for Soup, "									
" Corned, "	5,183	367.99	.07	6,522	673.76	.103	6,925½	670.88	.095
" Round, "	19,477	1,636.06	.084	19,705	1,976.68	.103	22,327	2,120.83	.095
" Rump, "									
" Roasting, "	16,438	1,758.86	.107	16,221	2,159.07	.133	16,962	2,047.78	.120
Mutton, . . "	21,093	2,720.99	.129	16,365	2,216.01	.135	21,075	2,999.89	.142
Poultry, . . "	13,562	2,278.41	.168	12,082	2,348.41	.195	10,263	2,318.56	.225
Butter, . . . "	11,129	3,505.63	.315	16,843	3,770.97	.221	10,468	3,329.97	.317
Eggs, . . doz.	4,401	1,188.27	.26	5,234	1,470.59	.281	5,479	1,491.60	.272
Flour, . . bbls.	49	468.73	9.565	49	459.25	9.937	52	406.00	7.80
Bread, . . lbs.	4,892	1,744.60	.05	35,340	1,943.70	.055	34,971	1,923.42	.055
Ice, . . . tons.	305	887.55	2.91	352¾	737.72	2.209	380 1/16	679.27	1.78
Sugar, . . lbs.	20,552	1,901.06	.09	22,192	2,021.57	.091	20,980	1,801.38	.086
Tea, . . . lbs.	555	244.22	.44	1,114	446.85	.401	1,074	432.60	.402
Milk, . . . qts.	92,350	4,617.50	.05	95,358	5,007.70	.052	106,032	5,637.78	.053
Potatoes, . bush.	981	1,101.66	1.125	1,005	1,374.72	1.368	1,062½	1,129.15	1.063

Articles.	1884.			1885.			1886.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, Sirloin, lbs.	8,845½	$2,183.64	.246	9,543	$2,160.12	.226	9,764	$2,206.32	.225
" for Soup, "									
" Corned, "	6,487	583.08	.09	6,345	561.45	.088	6,216	493.61	.08
" Round, "	25,821	2,531.60	.098	25,140	2,220.83	.08	28,474	2,456.05	.088
" Rump, "									
" Roasting, "	16,438	2,003.44	.121	17,220	1,936.58	.112	18,346	1,972.72	.10
Mutton, . . "	15,186½	2,102.29	.138	13,189	1,585.60	.12	11,721	1,536.20	.12
Poultry, . . "	12,798	2,523.79	.197	12,149	2,256.88	.185	13,704	2,286.25	.16
Butter, . . . "	11,321	3,636.60	.32	11,447	3,368.27	.294	12,122	3,576.20	.294
Eggs, . . doz.	8,374	2,182.67	.26	9,433	2,328.48	.25	8,971	2,091.22	.25
Flour, . . bbls.	53	383.25	7.23	55	341.85	6.21	55	316.55	5.75
Bread, . . lbs.	36,245	1,992.48	.054	36,685	2,017.67	.055	35,688	1,962.83	.055
Ice, . . . tons.	407.55	773.20	1.89	433.65	966.57	2.22	487.52	1,123.21	2.30
Sugar, . . lbs.	22,474	1,563.49	.069	21,245	1,288.65	.06	23,042	1,357.59	.055
Tea, . . . lbs.	1,080	435.85	.403	853	341.70	.40	1,205	482.00	.40
Milk, . . . qts.	111,068½	5,907.26	.053	110,332	5,943.84	.053	113,669	6,054.88	.052
Potatoes, . bush.	1,195	1,005.25	.917	1,158	1,001.25	.942	1,100	1,021.77	.928

Articles.	1887.			1888.			1889.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, Sirloin, lbs.	9,516	$1,972.84	.20	10,224	$2,394.77	.23	11,703	$2,171.52	.18
" Corned, "	6,051	423.57	.07	6,019	421.33	.07	7,886	551.42	.07
" Round, "	29,957	2,310.12	.077	31,966	2,624.93	.08	37,530	2,684.10	.07
" Rump, "									
" Roasting, "	18,928	1,652.59	.08	18,054	1,831.18	.10	18,750	1,745.45	.09
Mutton, . . "	12,900	1,357.82	.11	11,775	1,472.68	.125	13,658	1,554.94	.11¾
Poultry, . . "	14,997	2,390.26	.15	14,242	2,321.90	.16	17,294	2,925.32	.16¾
Butter, . . "	12,848	3,761.27	.29	13,103	3,897.19	.29	15,721	4,268.10	.27
Eggs, . . doz.	9,654	2,460.78	.27	11,201	3,060.25	.273	12,104	3,243.48	.26¾
Flour, . . bbls.	55	304.10	5.56	64	390.75	6.10	106	731.90	6.90
Bread, . . lbs.	40,353	2,219.40	.055	37,270	2,049.87	.055	35,080	1,929.42	.055
Ice, . . . tons.	512.15	1,177.25	2.30	433 98	1,060.98	2.44	486.35	1,738.18	3.55
Sugar, . . lbs.	22,604	1,385.12	.06	23,563	1,717.13	.07	26,840	2,206.11	.08
Tea, . . . lbs.	1,265	495.44	.39	1,859	733.24	.40	1,272¼	512.32	.40
Milk, . . . qts.	134,232	7,150.11	.052	144,823	7,704.16	.053	153,984½	8,128.55	.055
Potatoes, . bush.	1,215	1,352.92	1.11	1,080	1,098.30	1.01	1,232½	1,087.64	.88

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS AT THE MASSACHUSETTS GENERAL HOSPITAL, FROM SEPTEMBER 3, 1821, TO DECEMBER 31, 1889.

Year.	Total admitted.	Free.	Paying board all the time.	Paying part of the time.	Whole number treated. Pay'g board.	Paying board part of time.	Free.	Discharged well.	Percentage on "Total admitted."	Much relieved, or relieved in part.	Not relieved.	Not treated, unfit, dismissed, etc.	Deaths.	Percentage on "Total admitted."	Greatest number free at one time.	Greatest number paying at one time.	Greatest total.	Least total.	Average.	Accidents.	Percentage.	Average time of paying weeks.	Average time of free weeks.	Patients remaining under treatment Dec. 31. Paying.	Free.	Out-patients treated.
21 to 1814	9092	3916	4649	527				4127	37	3017	968	122	665	11			179	87	47*			4	6			
1844	435	250	174	11				183	43	137	41	23	47	11		30	71	40	53	55	12*	3 6-7	7 1-7			
1845	453	265	176	12		...		205	45	130	37	28	54	12	44	34	72	37	56	62	14	5 4-7	6 6-7			
1846	459	250	182	27				211	46	137	30	33	36	8	44	28	72	37	55	59	13	3 1-2	4 3-4			
1847	674	354	279	41				340	50	145	54	30	57	8	82	41	123	54	81	74	11	3 1-2	4 1-2			328
1848	804	460	283	61				400	50	219	52	39	103	13	86	38	124	94	108	103	12*	3 1-7	5			378
1849	870	543	273	54		...		436	50	218	75	58	84	9	89	38	127	90	112	97	11	2 4-7	5 5-7			272
1850	746	427	242	77				363	48	200	56	49	76	10	103	33	136	83	108	98	13	2 6-7	6			294
1851	839	477	298	64				387	46	235	47	63	98	11	93	48	141	77	112	123	15	3	6			237
1852	826	472	271	83			...	410	50	234	52	47	82	10	105	41	133	104	119	132	16	3 1-4	5			248
1853	925	505	335	85				431	46	287	70	66	82	9	108	39	142	108	120	159	17	3 1-6	7			358
1854	922	490	321	111				423	46	257	73	41	115	12	112	45	145	125	133	212	23	4	10			477
1855	915	416	352	147				456	50	238	59	51	102	11	107	59	152	114	134	157	17 3-10	3 3-7	11 4-7			645
1856	976	545	335	96				478	49	230	77	71	117	12	114	48	153	120	140	189	19	3	5			887
1857	920	549	280	91				510	55	195	57	66	130	14	119	40	157	103	128	163	17 7-10	2 2-3	5			1574
1858	1015	718	251	46				514	50	229	65	50	127	13	120	31	144	91	123	186	18*	4	7*			2223
1859	1240	934	257	49	287	49	1040	653	53	280	54	94	141	11	145	37	165	92	131	212	17	4	4 2-3	14	140	3523
1860	1240	997	201	42	215	42	1137	698	56	305	73	58	121	9¾	149	33	175	80	128	233	18 7-10	4	6	15	121	4433
1861	1416	1131	253	32	268	32	1252	831	59	318	79	57	99	7	135	37	162	120	140	297	21	4	5 3-4	16	124	4676
1862	1611	1175	425	11	441	11	1299	843	52	431	77	154	101	6¼	133	45	166	102	134	271	16 3-4	2 1-10	4 1-10	25	120	4800
1863	1648	1348	283	17	308	17	1468	856	52	459	96	70	162	9¾	135	29	158	116	137	292	17 7-10	3 4-10	4	24	126	4987
1864	1199	1262	326	11	350	11	1388	916	57	390	84	61	130	8	139	33	157	110	138	242	15 2-10	3.18	4.37	25	123	5619
1865	1199	564	567	68	592	68	687	702	59	295	68	74	104	8¾	137	72	164	88	113	140	11 7-10	3.67	4.85	45	59	5356
1866	1120	497	578	45	693	45	556	677	60	82	50	74	96	8¾	62	58	109	78	95	132	11 7-10	3.40	5.10	45	50	5608
1867	1206	626	556	24	601	24	676	676	56	282	62	141	94	7.8	77	62	126	72	104	113	9.36	3.37	4.26	39	69	4553
1868	1265	771	463	31	302	31	840	757	60	258	64	82	85	7	97	56	132	69	102	98	7.74	3.00	3.50	31	96	5264
1869	1390	834	532	24	563	24	930	771	55½	352	78	84	107	7.7	98	55	139	90	118	93	6.69	3.40	4.30	25	100	6953
1870	1302	858	414	30	439	30	958	780	60	303	65	68	85	6.45	106	45	137	98	120	140		3.37	4.82	24	86	8767
1871	1427	970	432	25	456	25	1056	821	57½	322	58	73	109	7.64	126	43	154	91	122	178		3.12	3.92	28	126	9792
1872	1547	1163	368	16	396	16	1289	958	62	313	76	84	120	7.75	133	42	160	97	135	259		3.15	4.35	30	120	11878
1873	1550	1075	411	64	441	64	1195	880	57	321	66	86	186	12	156	44	187	129	156	291		3.28	6.09	35	126	13517
1874	1639	1125	394	120	429	120	1251	946	57½	396	81	102	127	7.69	146	41	183	111	149	234		2.73	5.64	28	120	15612
1875	1841	1445	308	88	336	88	1565	1032	56	380	78	120	189	10.27	176	31	199	132	166	285		2.82	5.18	26	164	16993
1876	1906	1532	282	92	308	92	1696	1019	53½	502	91	144	150	7.86	182	36	210	163	185	245		3.22	5.73	19	171	17292
1877	1657	1270	339	48	358	42	1441	930	50	409	92	130	130	7.68	178	33	194	135	164	147		2.84	5.54	11	145	18004
1878	1794	1433	323	38	334	38	1578	956	50	505	59	138	134	7.46	170	34	187	132	165	200		2.80	5.27	17	141	18744
1879	1813	1436	335	42	352	42	1577	1040	57	422	84	125	143	7.94	165	30	188	131	163	222		2.84	5.16	17	140	18960
1880	2123	1724	354	45	371	45	1864	1186	54	545	74	150	151	7.16	165	35	188	156	170	351		2.58	4.53	17	157	20566
1881	2106	1678	402	26	419	26	1835	1324	62	429	70	103	189	8.96	168	39	195	139	166	391		2.79	4.41	15	140	18443
1882	2147	1736	399	12	414	12	1876	1312	61	463	59	13	177	8.13	167	35	195	143	168	348		2.84	4.41	24	141	16304
1883	2020	1492	449	79	473	79	1633	1286	63	378	61	108	181	8.93	168	49	189	143	168	432		2.75	4.80	32	128	7102*
1884	2096	1667	382	47	448	47	1815	1318	62	367	68	137	191	9.11	159	40	186	129	165	397		3	4.14	19	148	14824
1885	2327	1910	371	46	382	46	2044	1584	68	361	73	129	192	8.25	166	26	184	147	167	443		2.38	4.08	11	134	17016
1886	2580	2124	392	64	409	64	2283	1689	65	411	64	175	192	7.44	178	30	206	133	173	471		2.78	3.72	17	159	17925
1887	2814	2340	429	45	447	45	2523	1694	60	565	89	173	245	8.70	196	40	217	150	185	490		2.90	3.57	18	183	18981
1888	3256	2549	553	154	570	154	2731	2021	61	640	100	210	277	8.50	194	42	215	156	193	496		2.16	3.46	17	182	19472
1889	3419	2825	500	94	514	94	3016	2034	59	669	110	300	285	8.33	205	29	227	170	207	530		2.28	5.40	14	191	22939
	77169							33064		18261	4116	4449	6568													388824

* Out-patient Department open only five months.

MASSACHUSETTS GENERAL HOSPITAL.

The Massachusetts General Hospital is a private, not a public institution.

Applications for admission of patients must be made at the Hospital on Blossom Street, Boston, on week-days, between the hours of 9 and 11 A.M. and 2 and 3 P.M.

Recent accidents admitted at all hours.

Out-patients received between 9 and 10 A.M., week-days only.

Applications from a distance must be made in writing, accompanied by a full description of the case by the attending physician, and, when a Free Bed is desired, by a statement of the pecuniary condition of the patient, and wait for a reply before sending the patient.

Contagious and chronic diseases are not admitted.

Regular charges to paying patients are as follows: in the Jackson Ward (private), $50 per week; in small room in the Townsend and Bigelow Wards, $25 per week; in the General Wards, $10 per week. These rates, covering only expenses of board and lodging, may be increased or abated in individual cases by the Resident Physician.

JOHN W. PRATT,
Resident Physician.

THE AMBULANCE

OF THE

MASSACHUSETTS GENERAL HOSPITAL,

Accompanied by a medical officer, will be despatched to any point within the city proper for the conveyance of cases of *accident* or *urgent sudden sickness*, *not contagious*, to this Hospital, or elsewhere, upon notice from a physician, the police, or other responsible source, subject to the approval of the undersigned.

In cases requiring gratuitous treatment, no charge will be made.

By order of the Board of Trustees.

JOHN W. PRATT,
Resident Physician,
Mass. Gen. Hospital, Blossom St.

SEVENTY-SECOND ANNUAL REPORT

OF THE

SUPERINTENDENT OF THE McLEAN ASYLUM FOR THE INSANE

TO THE

TRUSTEES OF THE MASS. GENERAL HOSPITAL,

For the Year 1889.

TO THE TRUSTEES OF THE MASSACHUSETTS GENERAL HOSPITAL:

Gentlemen, — The following report, with tabular statements relating to the number and condition of the patients treated in the Asylum during the year 1889, is respectfully presented: —

TABLE No. 1.

GENERAL STATISTICS OF THE YEAR.

	Males.	Females.	Total.
Patients in the Asylum, Jan. 1, 1889, . . .	76	90	166
Admissions within the year, ...	58	55	113
Whole number of *cases* within the year, . .	134	145	279
Discharged within the year, ...	51	54	105
Namely, — as Recovered, ...	11	22	33
Much improved, ...	7	8	15
Improved, ...	9	7	16
Unimproved, ...	8	12	20
Not insane, ...	4	1	5
Deaths, ...	12	4	16
Patients remaining Dec. 31, 1889, supported as private patients, ...	83	91	174
Number of different *persons* within the year,	132	145	277
" " " " admitted, . .	57	55	112
" " " " recovered, . .	11	22	33
Daily average number of patients, ...	79.44	89.22	168.66

During the year, one man was twice admitted. One man present at the beginning of the year was discharged and readmitted. Thus there were two hundred and seventy-nine cases treated, representing two hundred and seventy-seven persons.

Of the one hundred and twelve persons admitted during the year, sixty-one were regarded as recent cases, and fifty-one as chronic, or incurable.

Eighty-seven persons, forty-seven men and forty women, had never been in any hospital. Of the remaining twenty-five persons, seventeen, five men and twelve women, were admitted for the second time; four persons, two men and two women, for the third time; one man for the fourth time; one woman for the sixth time; one man for the seventh time; and one man for the twenty-fourth time.

In 1889 there were eight more admissions, two more discharges, and ten more cases under treatment than during the year 1888; and the number present was eight more at the end than at the beginning of the year.

Of the one hundred and four persons discharged, including deaths, fourteen, six men and eight women, were transferred to other hospitals in this State, two men to hospitals in another State, and one woman to a foreign asylum.

Of the thirty-three persons discharged recovered, twenty-two had never before been inmates of any hospital; and, of the remaining eleven persons, eight had been in this Asylum, two in asylums in other States, and one in a foreign asylum. These eleven persons had previously made thirty-six recoveries.

The average duration of illness from the beginning of attack in all cases recovered was 9.31 months, and the average duration of their residence in the Asylum was 5.83 months.

The percentage of recoveries on all admissions, of persons accounted as insane, for the year 1889, was 30.84. The medical work of the year was more than usually active. The number admitted has been equalled only once before during the past ten years, and not previously since 1860. The general results of the last year's work are satisfactory.

The voluntary cases admitted during the year numbered forty-two. These represented forty-one persons,— twenty-three men and eighteen women. Of these, twenty-one were cases of melancholia, three of mania, one of "fixed ideas," four of delusional insanity, one of senile insanity, three of secondary dementia, one of paralytic insanity, one of general paralysis, and six were not insane. Of these forty-one persons, three were committed after entering the Asylum as voluntary cases, and one was twice admitted as a voluntary case. The forty-two voluntary cases admitted during the year furnished eleven recoveries; and twenty-nine such cases remaining from previous years furnished five other recoveries during this year, making a total of sixteen recoveries out of seventy-one cases,— the total number of this class under treatment during the year. Thus the voluntary patients have yielded 38.1 per cent. of recoveries on the admissions of that class for 1889. Of this class, seven other cases were discharged much improved, seven improved, six not improved, five not insane, and three dead. Of these forty-two cases admitted in 1889, there were remaining, at the end of the year, fifteen persons, seven men and eight women; and fourteen persons, five men and nine women, also remained from the admissions of previous years: so that the total remaining under the voluntary relation is twenty-nine persons, twelve men and seventeen women.

The number of persons admitted as voluntary patients under the present law is as follows: namely, 1881, 1; 1882, 11; 1883, 33; 1884, 49; 1885, 34; 1886, 29; 1887, 29; 1888, 34; 1889, 41,—a total of 261 persons in nine years.

The voluntary system, as it has been in practice here in the nine years since the enactment of the law establishing it, has yielded most beneficent results. It has not only been a blessing to the many patients who have gladly availed themselves of its benefits, but it has done good to the Asylum itself in stimulating improvement in the care of all its patients. Many persons who are in the earlier stages of simple melancholia, or who have some one of the milder forms, or are in an early stage, of mental disorder, are well aware of the nature of their illness, and yield readily and often gladly to the advice of friends or physicians to place themselves under special care. Intelligent patients appreciate the privilege of avoiding a formal examination and the dreaded declaration of insanity; and therefore, with the voluntary system, they seek hospital care earlier, and under the helpful influence of the consciousness that it is their own act. The formality required is the signing of a request for "admission for care and treatment." There might appear to be an inconsistency, even an impropriety, in the admission of these patients as voluntary who are classed as insane as above stated. But these conditions often develop, or become apparent, upon observation after admission. These voluntary patients include a more or less doubtful class of cases for whose commitment attending physicians would not be willing to certify to insanity, if the patient could not be persuaded to come to the Asylum. Such physicians might, on the contrary, certify if the same patient were to be persuaded. It is for such cases

near the border-line, about whom there might be a difference of opinion, that the system is a great boon. It is probable that not a few patients, now properly committed to our hospitals for the insane, would not be so committed, were there a contest about it on the part of the patients or their friends. The question as to whether they could or could not be formally committed being doubtful in such cases, an intelligent declaration of a desire for admission to the Asylum is accepted as evidence of capacity to make an application, and every benefit of the doubt is given to the applicant expressing such a desire. It is a noteworthy anomaly of the law that, while it disqualifies every asylum physician as untrustworthy in the matter of certifying commitments of patients to any asylum, it still puts upon him the onus of deciding whether or not a person making to him a voluntary application to come under such physician's own care could be committed as insane. The practice of the Asylum in regard to this class of patients is, however, that sanctioned by the Board of Lunacy and Charity; and, the applicant being accepted, a careful report, stating the particulars of the case, is at once forwarded to the Board.

It is interesting to note that for a number of years one-third or more of all admissions here have been of voluntary cases, and not a few were of persons who had been here one or more times before; also, that the number has gradually diminished of those who, after such admission, require commitment in the regular form because of having demanded their discharge before being well enough to go. Last year there were only three such cases; and there is a corresponding decrease in the cases discharged under the well-understood provision of the law, requiring a discharge to be given within three days after a request

for it in writing is made. In other words, the presence of voluntary patients, who are reasonably content to stay under treatment, has become such a feature of our Asylum life that new-comers are impressed by it, and held to their own good purpose by example and by the feeling of mutual confidence that is fostered between patients, nurses, and physicians. In the first years of the operation of the law, it was difficult to persuade the voluntary patients to remain sufficiently long. It was a matter of much painstaking to make the conditions of residence and care acceptable, and the logic of the results now attained is self-evident.

The essential value of this system is that its success depends upon the active exercise of human sympathy and mutual confidence in the place of custodial restraint; and not only are the conditions of "moral treatment" rendered greatly more effective, but all who are concerned in these kindlier relations are lifted up by them. It is significant that in the nine years' working of the voluntary law in Massachusetts so little criticism of it has been made, and so much good has come of it, of a kind that none but those who make use of it can properly appreciate.

The ladies' gymnasium, described in the report of last year, has been as useful as it was expected to be. Its large and pleasant sitting-room has been an attractive resort at all times, and especially cheerful with its open fire during the long evenings in the cooler weather. The teaching of the classes of nurses in gymnastic exercises has been shared by patients who could take the physical training in the more active form. The instruction has been continued as last year by Miss Adams for both the senior and junior classes of nurses; and in October the senior class began a course of special training in medical gymnas-

tics, under the instruction of Baron Nils Posse, M.G., which will be continued during the school season of eight months. The nurses are thus qualified to add to their practice of massage the use of the requisite variety of movements adapted to the condition of individual patients, and carefully prescribed in all cases. It is hoped that it will prove to be a valuable qualification of these nurses that they can satisfactorily apply these remedial measures under the direction of physicians in private practice.

The success of this gymnasium for the ladies has prompted the like transformation of the gentlemen's bowling-alley and billiard-room, where some apparatus for physical training has been usefully employed for a number of years. The building having already been moved to a position more accessible from the house, its enlargement by a commodious reading-room and a smoking-room will be a source of great comfort and benefit as a place of common resort by day and evening. The use of physical exercise can be made systematic and efficient in the ample space provided, with an equipment of the requisite apparatus.

The Training School for Nurses is now well established, both as an integral part of the work of the Asylum and in the acceptance of its graduates as a worthy contribution to the public good. These considerations justify the special report of the school, which may be found in the Appendix; and attention is invited to the account there given of the establishment of the school and to the statement of its present progress and purposes.

The laboratory for pathological work and investigation in experimental psychology for clinical purposes is now nearly ready for use. A small building added to the former laboratory will contain a mortuary and autopsy room, long needed; three rooms for micro-

scopy, photography, and the experimental work; and a small room for chemical examinations. It is believed that the interest stimulated by the investigations to be carried on here, with the contributions made to them from the strictly clinical side, will yield direct benefit to the patients, through the better understanding of both the mental and physical symptoms which they present.

The appointment recently made of a medical house pupil to assist in the department just mentioned increases the undergraduate staff to three,— one in each service, under the immediate charge of an assistant physician. This medical interne system is like that of the general hospitals, and has been in existence here with most satisfactory results for ten years, and twenty-one men have served under it. One appointment is made every six months for one year's service,— one-half with the men, and the other in the department for women. These officers are without pay and give only part of their time to the Asylum, their duty including one daily visit to certain wards, making chemical examinations in the laboratory, keeping the clinical records, and attending to the feeding of patients and other like duties as may be required. This leaves much time for pursuing their medical studies. The graduates of this service uniformly testify to the value of the clinical experience it gives them; it furnishes a corps of excellently prepared candidates for appointment as assistant physicians. The great value of this system to the Asylum is found in the relief of the assistants from the work of clinical clerks, in the freedom to devote more time to clinical observations and to the teaching in the Training School, and especially to the study of the literature of their special professional work. This system thus affords some of the necessary conditions

for scientific advancement, to the direct benefit of the patients; and incidentally it promotes the public good through the education of a considerable number of physicians in the treatment and prevention of insanity.

The ten years of the history of the Asylum now just completed present some considerations worthy of notice. During all that period, it has continued under difficult conditions as to its surroundings; and the development of modern methods in its work has been distinctly obstructed by defects of construction and by the obvious objection to expenditure of money here, with the building of a new asylum in view.

But, the necessity being recognized of maintaining the status of the Asylum in its special work as high as possible, it has not only been kept in thorough repair, but money has been freely expended upon alterations and improvements extraordinary in relation to the usual current expenses. Wards have been improved and brightened by new alcoves and broad windows, and many minor changes have been made for the comfort of the household and to facilitate the hospital work. Experiments in construction have been tried with reference to the planning of new buildings. The most recent of these improvements are the gymnasiums and the laboratory for physiological psychology. A special feature of the ten years' work has been the radical change in the nursing service. The reform of nursing the insane has been taken from its long-existent stage of experiment, and a school has been established which educates a new order of Asylum nurses, fully up to the standard of the great reform in general hospital nursing. This work here has cost much extra labor and some money, — all returned in the improved care of the sick.

In accomplishing all these things in the face of

obstructive conditions, the summary of the ten years' work shows that the Asylum has more than sustained itself financially, independent of aid from the general funds, besides expending nearly ten thousand dollars in improvements at Belmont for the new Asylum.

It has long been accepted that the need of removal of the Asylum to new grounds is imperative, because of the adverse conditions in the present surroundings, although tolerable comfort and good work are still attainable here. It should be kept in mind, however, that it is not altogether a matter of being driven from our present place: the invitation and duty to do better work than can possibly be done here are very urgent. It stands confessed that the care of the private classes of the insane in hospitals of the character of the McLean Asylum is, relatively to what is properly expected of them, in some important particulars behind the progress that has been made in the public hospitals. While the private proprietary houses are entirely suitable for certain cases, it is well known by those familiar with the truth of what are, and what should be, the facts in this matter that a properly constructed hospital, with its abundance of facilities for investigation and care of its cases, should present far superior curative advantages. The new era that all have long been waiting for is already at hand, and waiting itself to be entered upon.

In support of this proposition, let the facts just recounted of the recent experiences here be taken. Good work, with bad construction and unfavorable conditions, has commanded the confidence of the public and the support of the Asylum. There can be no question as to the better support of a new Asylum, with inviting conditions. The means of perfecting the nursing service are now so well in hand that, in this fundamental requisite, the personal care

of the sick here cannot be excelled by the best conditions of private hospitals; and the poorest patients have the benefit of this quality of nursing. The new provisions for advancement in medical work are already inaugurated. All these elements have been worked up to a state of readiness for the opportunity that proper construction in new buildings can alone afford. Progress is now delayed, and the consequences involved are important. We wait for new buildings to round out these labors.

In this forecasting of what may be, another consideration of broad import, that has long been held in mind, may well be mentioned. The law bears fruit here that a new principle established in the conduct of affairs will, if a true one, evolve higher truths that in turn contribute to advancement. The voluntary system already described was established on correct lines: its workings here have evolved a breadth of moral results but dimly foreseen. More than these, patients, friends, and physicians alike have seized upon its provisions as a happy relief from the commonly felt "stigma" of resort to an "asylum." Many suppose and erroneously say that there is a special and separate department here for the treatment of nervous disorders. This allays the repugnance to hospital care, and great good is gained because it is earlier and more freely sought. Let the truth this teaches be clearly seen: it is not a new Asylum that is wanted,— it is a new Hospital. The McLean Hospital — for nervous and mental diseases, if this specification be needed — will be a fitting and inviting place, not only for the insane, but for a class of allied neurotic and mental disorders that are now repelled from such an Asylum as this, where they can best be treated.

The new Hospital at Belmont may consist of a group of houses scattered about upon the beautiful

sites the grounds afford. Each house may be quite homelike, with its dwellers free from exterior annoyances, because it may be well separated from all other buildings. Such separation will be entirely consistent with proper supervision and safety, because the nurse of the new order is so trustworthy that there will practically be a "supervisor" in each building. There may be special detached houses for the milder manifestations of nervous and mental disorder, all affording strictly the conditions of a hospital, with the understanding that many come to it having mental disorders that are not insanity, yet all being legitimate cases for the Hospital that is to be, in the new order of things in these matters. A small cottage could be placed in some one of a number of pleasant isolated situations, for the sole use of a patient, who might even make it a life-residence. The building of one-half of the new Hospital, and the transfer of the Women's Department to Belmont, would sustain the progressive movement that it is now most desirable to push forward; and such a division into two establishments is a proper one. It was said of this in my report of last year, "This will be in the interests of economy, good service, freedom from many pressing difficulties, proper classification, and the best good of the sick." There would be, of course, some increase of cost due to such a division,—chiefly in a few of the administrative positions, and therefore not relatively large; yet this would not be inconsistent with proper economy, as the better conditions would undoubtedly command the requisite means of support.

It is now urged that the foregoing considerations are re-enforced by those newly stated in this report. Our needs as to new construction have been well studied. The preparatory development has been made of our medical work according to the best modern

ideas. The substantial support of the public has been kept, under adverse circumstances, through its appreciation of the service rendered to it. The opportunity is waiting, for nowhere has the modern ideal hospital yet been built. Postponement does more than retard progress. It is abortive of good work, and there is a crying need of better relief for the sick.

The plans for one building at Belmont are already well studied, also a detailed plan of the grounds and the relations of sites for a group of buildings. It would be of great and immediate advantage if we could have at once a building suitable for one of the main group, and to be called the Belknap, or by the name of some other of the benefactors of the Asylum; and, if an Appleton building of moderate size could be added, these two could be properly administered, and meet the present urgent need of a place for convalescents and for special cases. The present demand for such accommodations indicates clearly the source of support for them, and it is earnestly recommended that work upon these two buildings may be begun in the coming year.

In the Pathological and Psychological Department, Dr. Gannett has continued his former work in the absence of Dr. Noyes in Europe for a large part of the year. The report of the department will be found in the Appendix. Clinical instruction to students from Harvard Medical School was given, as formerly, during part of the year.

The kind interest of the friends of the Asylum has been continued in many ways, with the accustomed sympathy and helpfulness. These are gratefully appreciated by our patients and those who are engaged in caring for them, and all are sincerely thankful.

Very respectfully,

EDWARD COWLES,
Medical Superintendent.

TABLE No. 2.

MONTHLY ADMISSIONS, DISCHARGES, AND AVERAGES.

Months.	Admissions.			Discharges (including Deaths).			Daily Average of Patients in the House.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
January, . .	4	3	7	2	4	6	77.61	84.33	161.94
February, .	6	8	14	7	1	8	75.85	86.50	162.35
March, . .	5	3	8	2	2	4	78.35	87.97	166.32
April, . . .	6	5	11	4	9	13	77.00	88.70	165 70
May, . . .	9	5	14	3	5	8	80.61	89.61	170.22
June, . . .	2	3	5	3	2	5	82.20	90.16	172.36
July, . . .	5	4	9	5	2	7	79.38	89.20	168.58
August, . .	5	2	7	8	. .	8	79.16	92.97	172.13
September, .	4	6	10	1	6	7	76.06	92.84	168.90
October, . .	4	5	9	4	6	10	80.42	91.19	171.61
November, .	4	4	8	5	6	11	83.27	89.41	172.68
December, .	4	7	11	7	11	18	83.35	87.74	171.09
Total *cases*, .	58	55	113	51	54	105	79.44	89.22	168.66
Total *persons*,	57	55	112	50	54	104	. .	. .	. .

TABLE No. 3.

RECEIVED ON FIRST AND SUBSEQUENT ADMISSIONS.

Number of the Admission.	Cases admitted.			Times previously recovered.		
	Males.	Females.	Total.	Males.	Females.	Total.
First, ...	47	40	87	5	2	7
Second, ...	5	12	17	2	5	7
Third, ...	3	2	5	2	2	4
Fourth, ...	1	. .	1	1	. .	1
Sixth, ...	. .	1	1	. .	. .	. .
Seventh, ...	1	. .	1	6	. .	6
Twenty-fourth, . .	1	. .	1	23	. .	23
Total of *cases*, . .	58	55	113	39	9	48
Total of *persons*, .	57	55	112	. .	. .	. .

These 48 recoveries represent 19 persons, 15 having recovered one, 2 two, 1 six, and 1 twenty-three times.

TABLE No. 4.

AGES OF PERSONS ADMITTED FOR THE FIRST TIME.

Ages.	At first attack of Insanity.			When admitted.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital,	1	. .	1	. .	. .	. .
From 10 to 15 yrs.,	2	. .	2	1	. .	1
" 15 " 20 "	. .	1	1	1	1	2
" 20 " 25 "	6	5	11	6	4	10
" 25 " 30 "	4	5	9	5	6	11
" 30 " 35 "	3	10	13	2	9	11
" 35 " 40 "	2	4	6	3	4	7
" 40 " 50 "	12	7	19	10	6	16
" 50 " 60 "	8	5	13	9	7	16
" 60 " 70 "	5	3	8	6	3	9
" 70 " 80 "	4	. .	4	3	. .	3
" 80 " 90 "	. .	. .	. .	1	. .	1
Total of *persons*,	47	40	87	47	40	87

TABLE No. 5.

PARENTAGE OF PERSONS ADMITTED.

Places of Nativity.	Males.		Females.		Total.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine,	8	10	4	4	12	14
New Hampshire,	6	5	3	1	9	6
Vermont,	. .	1	. .	. .	. .	1
Massachusetts,	25	23	28	33	53	56
New York,	4	4	3	2	7	6
Pennsylvania,	1	. .	1	1	2	1
North Carolina,	. .	. .	1	. .	1	. .
Ohio,	. .	. .	1	1	1	1
California,	. .	. .	1	1	1	1
Norway,	. .	. .	1	1	1	1
England,	1	1	1	. .	2	1
Ireland,	7	7	6	7	13	14
Nova Scotia,	2	2	. .	. .	2	2
New Brunswick,	. .	. .	1	1	1	1
South America,	. .	1	. .	. .	. .	1
Canada,	. .	. .	1	1	1	1
Newfoundland,	. .	. .	1	1	1	1
Scotland,	2	3	. .	. .	2	3
Germany,	. .	. .	1	. .	1	. .
Russia,	1	. .	. .	. .	1	. .
Fayal,	. .	. .	1	1	1	1
Total of *persons*,	57	57	55	55	112	112

TABLE No. 6.

RESIDENCE OF PERSONS ADMITTED.

Places.	Males.	Females.	Total.
Massachusetts: —			
Suffolk County,	21	20	41
Middlesex County,	15	20	35
Essex County,	4	2	6
Norfolk County,	4	5	9
Plymouth County,	2	2	4
Bristol County,	1	1	2
Barnstable County,	1	1	2
Hampden County,	1	1	2
Maine,	3	..	3
New Hampshire,	1	1	2
Vermont,	1	..	1
New York,	..	1	1
Illinois,	1	..	1
Kansas,	1	..	1
Nova Scotia,	2	..	2
New Brunswick,	..	1	1
Total of *cases*,	58	55	113
Total of *persons*,	57	55	112

TABLE No. 7.

CIVIL CONDITIONS OF PERSONS ADMITTED.

Number of the Admission.	Unmarried.			Married.			Widowed.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First,	15	16	31	28	18	46	4	6	10
Second,	2	6	8	3	5	8	..	1	1
Third,	3	1	4	..	1	1	..	..	..
Fourth,	..	..	..	1	..	1	..	..	..
Sixth,	..	1	1	..	..	..	..	..	..
Seventh,	..	..	..	1	..	1	..	..	..
Twenty-fourth,	1	..	1	..	..	..	..	..	..
Total *cases*,	21	24	45	33	24	57	4	7	11
Total *persons*,	21	24	45	32	24	56	4	7	11

TABLE No. 8.

OCCUPATIONS OF PERSONS ADMITTED.

Occupations.	Males.	Females.	Total.
Housewife,	..	26	26
Clerk,	8	..	8
Manufacturer,	1	..	1
Merchant,	7	..	7
Farmer,	3	..	3
Gardener,	1	..	1
Student,	5	2	7
Teacher,	2	1	3
Lawyer,	3	..	3
Editor,	1	..	1
Physician,	2	..	2
Clergyman,	1	..	1
Hydrographer,	1	..	1
Proof-reader,	..	1	1
Railroad Manager,	2	..	2
Naval Officer,	1	..	1
Actor,	1	1	2
Railroad Engineer,	1	..	1
Artist,	2	..	2
Mechanic,	3	..	3
Hotel-keeper,	1	..	1
Commercial Traveller,	2	..	2
Police Officer,	1	..	1
Servant,	1	3	4
Dressmaker,	..	4	4
No occupation,	7	17	24
Total of *persons*,	57	55	112

TABLE No. 9.

REPORTED DURATION OF INSANITY BEFORE LAST ADMISSION.

Previous Duration.	First Admission to any Hospital.			All other Admissions.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	..	..	..	..	..	..	..	..	..
Under 1 mo.,	9	13	22	5	4	9	14	17	31
Fr. 1 to 3 mo.,	12	8	20	..	2	2	12	10	22
" 3 " 6 "	10	3	13	2	2	4	12	5	17
" 6 " 12 "	4	8	12	3	1	4	7	9	16
" 1 " 2 yrs.,	8	4	12	1	5	6	9	9	18
" 2 " 5 "	4	4	8	..	..	..	4	4	8
" 5 " 10 "	..	..	..	..	1	1	..	1	1
Total *cases*,	47	40	87	11	15	26	58	55	113
Total *persons*,	..	..	..	10	15	25	57	55	112
Average of known persons (in years),	.50	.55	.52	.37	.88	.68			

TABLE No. 10.

FORM OF DISEASE IN THE CASES ADMITTED.

Form of Disease.	Males.	Females.	Total.
Mania, acute,	12	16	28
Mania, puerperal,	. .	2	2
Folie-du-doute,	. .	1	1
Melancholia, acute,	19	21	40
Melancholia, puerperal,	. .	1	1
Hysterical Insanity,	1	1	2
Delusional Insanity,	4	4	8
Paralytic Insanity,	1	. .	1
Senile Insanity,	6	1	7
Dementia, primary,	. .	1	1
Dementia, secondary,	3	4	7
General Paralysis,	8	1	9
Not insane,	4	2	6
Total of *cases*,	58	55	113
Total of *persons*,	57	55	112

TABLE No. 11.

ALLEGED CAUSES OF INSANITY IN PERSONS ADMITTED.

Causes.	Males.	Females.	Total.
Mental.			
Grief,	1	1	2
Anxiety,	11	2	13
Overstudy,	5	1	6
Religious Excitement,	. .	1	1
Christian Science,	. .	1	1
Physical.			
Ill-health,	4	6	10
Neurasthenia,	. .	11	11
Overwork,	7	2	9
Constitutional,	5	5	10
Change of life,	. .	2	2
Childbirth,	. .	5	5
Sunstroke,	1	. .	1
Acute Disease,	2	2	4
Surgical Operation,	1	. .	1
Cerebral Hemorrhage,	1	. .	1
Injury to Head,	2	1	3
Narcotics,	1	. .	1
Intemperance,	2	. .	2
Old age,	5	. .	5
Unknown,	10	15	25
Total of *cases*,	58	55	113
Total of *persons*,	57	55	112

TABLE No. 12.

RELATION TO HOSPITALS OF THE PERSONS ADMITTED.

	Males.	Females.	Total.
Never before in any Hospital,	47	40	87
Former inmates of this Hospital,	3	7	10
Former inmates of other Hospitals in this State: —			
South Boston,	1	1	2
Private Asylum,	2	2	4
Westborough,	. .	2	2
Taunton,	. .	1	1
Former inmates of Hospitals in other States,	. .	1	1
Former inmates of this Hospital and of other Hospitals in this State: —			
Private Asylum,	1	. .	1
Danvers,	2	. .	2
South Boston,	1	. .	1
Former inmates of this Hospital and of Hospitals in other States,	1	1	2
Former inmates of foreign Hospitals,	. .	. .	. .
Total of *cases*,	58	55	113
Total of *persons*,	57	55	112

TABLE No. 13.

DISCHARGES CLASSIFIED BY ADMISSION AND RESULT.

Admission.	Recovered.			Much Improved.			Improved.			Unimproved.			Not Insane.			Died.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, ...	7	15	22	6	3	9	8	7	15	6	8	14	4	1	5	9	3	12	40	37	77
Second, . . .	3	4	7	. .	4	4	. .	. .	. .	1	2	3	. .	. .	. .	3	1	4	7	11	18
Third, ...	. .	2	2	. .	. .	. .	. .	. .	. .	1	1	2	. .	. .	. .	. .	. .	. .	1	3	4
Fourth, . . .	. .	1	1	1	. .	1	1	. .	1	. .	1	1	. .	. .	. .	. .	. .	. .	2	2	4
Seventh, . . .	. .	. .	. .	. .	1	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1
Twenty-fourth,	1	. .	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	. .	1
Total of *cases*, .	11	22	33	7	8	15	9	7	16	8	12	20	4	1	5	12	4	16	51	54	105
Total of *persons*,	11	22	33	7	8	15	9	7	16	8	12	20	4	1	5	12	4	16	51	54	105

TABLE No. 14.

CASES DISCHARGED RECOVERED.—DURATION.

Period.	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 mo.,	4	11	15	2	1	3	1	1	2
Fr. 1 to 3 mo.,	4	4	8	4	5	9	4	3	7
" 3 " 6 "	2	5	7	3	11	14	2	5	7
" 6 " 12 "	. .	. .	. .	2	4	6	2	9	11
" 1 " 2 yrs.,	. .	2	2	. .	. .	. .	1	3	4
" 2 " 5 "	1	. .	1	. .	1	1	1	1	2
Total *cases*,	11	22	33	11	22	33	11	22	33
Total *persons*,	11	22	33	11	22	33	11	22	33
Average of known cases (in months),	4.04	2.52	3.06	3.70	6.94	5.83	8.09	9 92	9 31

TABLE No. 15.

CASES RESULTING IN DEATH.—DURATION.

Period.	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 mo.,	1	1	2	1	. .	1	. .	. .	. .
From 1 to 3 mo.,	4	2	6	1	. .	1	2	. .	2
" 3 " 6 "	2	. .	2	2	1	3	1	. .	1
" 6 " 12 "	3	. .	3	. .	1	1	. .	1	1
" 1 " 2 yrs.,	. .	1	1	3	. .	3	1	1	2
" 2 " 5 "	2	. .	2	. .	1	1	3	1	4
" 5 " 10 "	. .	. .	. .	3	. .	3	3	. .	3
" 25 " 30 "	. .	. .	. .	. .	1	1	. .	1	1
" 30 " 40 "	. .	. .	. .	1	. .	1	1	. .	1
" 50 " 60 "	. .	. .	. .	1	. .	1	1	. .	1
Total, . . .	12	4	16	12	4	16	12	4	16
Average of known cases (in months),	6.93	4.06	6.22	112.29	90.50	106.84	119.22	94.56	113.06

TABLE No. 16.

CASES DISCHARGED BY RECOVERY OR DEATH.

Form of Insanity.	Recoveries.			Deaths.		
	Males.	Females.	Total.	Males.	Females.	Total.
Mania, acute,	4	11	15	..	..	..
Mania, puerperal,	..	2	2	..	..	..
Melancholia, acute,	5	8	13	2	2	4
Melancholia, puerperal,	..	1	1	..	..	..
Hysterical Insanity,	1	..	1	..	..	..
Delusional Insanity,	1	..	1	1	..	1
Senile Insanity,	..	..	..	2	..	2
Dementia, secondary,	..	..	..	4	1	5
General Paralysis,	..	..	..	3	1	4
Total of *cases*,	11	22	33	12	4	16
Total of *persons*,	11	22	33	12	4	16

TABLE No. 17.

CAUSES OF DEATH.

Causes.	Males.	Females.	Total.
Cerebral Disease.			
General Paralysis,	3	..	3
Exhaustion from Melancholia,	..	1	1
Exhaustion from Senile Insanity,	2	1	3
Cerebral Rheumatism,	1	..	1
Chronic Hemorrhagic Pachymeningitis,	1	1	2
Other Causes.			
Ulcerative Endocarditis,	1	..	1
Pneumonia,	1	1	2
Bronchitis,	1	..	1
Enteritis,	1	..	1
Peritonitis,	1	..	1
Totals,	12	4	16

TABLE No. 18.

RECOVERIES, CLASSIFIED BY RESULTS OF PREVIOUS ADMISSIONS.*

Number of the Admission.	Recovered.			Much Improved.			Not Improved.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Second, ...	3	4	7	. .	. .	. .	. .	. .	. .	3	4	7
Third, ...	. .	2	2	. .	. .	. .	. .	. .	. .	. .	2	2
Fourth, ...	. .	1	1	. .	. .	. .	. .	. .	. .	. .	1	1
Twenty-fourth . .	1	. .	1	. .	. .	. .	. .	. .	. .	1	. .	1
Total of *cases*, . .	4	7	11	. .	. .	. .	. .	. .	. .	4	7	11
Total of *persons*, .	4	7	11	. .	. .	. .	. .	. .	. .	4	7	11

* This classification is based upon the result of the admission next preceding the last, in each case respectively.

TABLE No. 19.

DEATHS, CLASSIFIED BY DURATION OF INSANITY AND OF TREATMENT.

Period.	Duration of Insanity.			Whole known period of Hospital Residence.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital, . . .	. .	. .	. .	. .	. .	. .
Under 1 month, . .	. .	. .	. .	1	. .	1
From 1 to 3 months,	2	. .	2	2	. .	2
" 3 " 6 "	1	. .	1	1	1	2
" 1 " 2 years,	1	2	3	3	1	4
" 2 " 5 "	4	1	5	2	1	3
" 5 " 10 "	2	. .	2	1	. .	1
" 20 " 30 "	. .	1	1	. .	1	1
" 30 " 40 "	1	. .	1	1	. .	1
" 50 " 60 "	1	. .	1	1	. .	1
Total, ...	12	4	16	12	4	16
Average of known *cases* (in months),	119.75	95.31	113.64	112.81	91.25	107.42

TABLE No. 20.

AGES OF THOSE WHO DIED.

Ages.	At time of the first Attack.			At time of Death.		
	Males.	Females.	Total.	Males.	Females.	Total.
From 20 to 25 years,	1	. .	1	. .	. .	. .
" 30 " 35 "	1	. .	1	. .	. .	. .
" 40 " 45 "	1	1	2	. .	. .	. .
" 45 " 50 "	2	1	3	1	1	2
" 50 " 60 "	1	. .	1	2	. .	2
" 60 " 70 "	4	1	5	4	1	5
" 70 " 80 "	2	1	3	5	2	7
Total, ...	12	4	16	12	4	16

TABLE No. 21.

ABLE OF ADMISSIONS, DISCHARGES, AND RESULTS AT THE McLEAN ASYLUM.

FROM ITS OPENING, OCT. 6, 1818, TO DEC. 31, 1889, INCLUSIVE.

Years.	Admitted.	Discharged.	Whole No. under care.	Died.	Much improved, etc.	Recov'd.	Remaining at end of year	Average No. of Patients.
1818–25	398	344	623	*29	205	110	279	..
1826	47	46	101	5	21	21	55	..
1827	58	56	113	5	17	34	57	..
1828	77	65	134	5	37	23	69	..
1829	73	77	142	9	42	26	65	..
1830	82	78	147	10	34	34	69	..
1831	83	84	152	8	46	30	68	..
1832	94	98	162	10	45	43	64	..
1833	103	100	167	8	50	42	67	..
1834	108	95	174	7	47	41	80	..
1835	83	84	163	11	28	45	77	..
1836	106	112	183	10	38	64	71	..
1837	120	105	191	8	25	72	86	80
1838	138	131	224	12	45	74	93	95
1839	132	117	225	10	38	69	108	112
1840	155	138	263	13	50	75	125	128
1841	157	141	283	11	55	75	142	135
1842	129	138	271	15	43	80	133	143
1843	126	126	260	18	45	63	134	131
1844	158	140	292	20	52	68	152	146
1845	119	120	271	13	33	74	151	149
1846	148	126	299	9	52	65	173	164
1847	170	170	343	33	50	87	173	172
1848	143	155	316	23	50	82	155	171
1849	160	137	321	15	58	64	184	177
1850	173	157	357	28	51	78	200	201
1851	164	173	364	29	69	75	191	195
1852	145	135	336	15	48	72	201	200
1853	114	120	315	17	45	58	195	194
1854	120	120	315	16	45	59	195	195
1855	123	126	318	24	46	56	192	192
1856	149	145	341	19	58	68	196	195
1857	141	159	337	28	60	71	178	191
1858	155	147	333	25	50	72	186	187
1859	131	142	317	28	53	61	175	185
1860	121	109	296	24	46	39	187	185
1861	111	110	298	23	33	54	188	193
1862	82	94	270	18	37	39	176	190
1863	94	69	270	13	20	36	201	191
1864	101	107	302	27	38	42	195	200
1865	82	85	277	17	33	35	192	186
1866	103	98	295	29	23	46	197	197
1867	89	108	286	27	36	45	178	186
1868	92	94	270	23	37	34	176	166
1869	108	100	284	18	31	51	184	187
1870	79	85	263	12	40	33	178	187
1871	75	81	253	13	47	21	172	178
1872	93	101	265	23	63	15	164	173
1873	92	95	256	13	63	19	161	165
1874	75	88	236	10	58	20	148	159
1875	85	83	233	16	51	16	150	156
1876	92	74	242	20	36	18	168	160
1877	110	103	278	20	68	15	175	175
1878	63	84	238	12	66	6	154	168
1879	76	79	230	12	48	19	151	157
1880	51	48	202	6	30	12	154	152
1881	66	65	220	14	37	14	155	150
1882	82	70	237	8	36	26	167	156
1883	109	111	276	17	57	37	165	164
1884	113	103	278	17	52	34	175	166
1885	95	100	270	17	46	37	170	171
1886	93	96	263	14	46	36	167	169
1887	75	78	242	17	35	26	164	160
1888	105	103	269	23	37	43	166	164
1889	113	105	279	16	56	33	174	168
	7,307	7,133		1,065	3,037	3,031		

TABLE No. 22.

TABLE OF APPLICATIONS, ADMISSIONS, ETC., FOR TWENTY-FIVE YEARS,—1864-1889.

Years.	Applications.	Admissions.		American.		Foreign.		Not Admitted.	Discharged, cured, rel'ved, or improved.		Percentage of same on Admissions.		Died.			Whole number under care in the year.		Number of free patients.		Paying part of the time.	Greatest total number at any time.		Least total at any time.		Average.		Greatest no. at any one time of Free or Paying at Hosp'al.		Average time in weeks Paying and Free at Hospital.		Out-patients.
	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.	Accid'ts.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.	Free.	Paying.	Paying.	Free.	Hospital.
1864	1932	1599	101	654	99	945	2	333	1306	80	8.168	79.1	130	27	242	1749	302	1388	350	11	157	208	110	192	138	200	139	33	3.2	4.4	5619
1865	1430	1199	82	571	80	628	2	231	997	68	8.315	82.9	104	17	140	1347	277	687	592	68	164	195	88	181	113	186	137	72	3.7	4.8	5356
1866	1328	1120	103	542	100	587	3	208	909	69	81.17	66.9	96	29	132	1224	295	556	623	45	109	203	78	192	95	197	62	58	3.4	5.1	5608
1867	1419	1206	89	558	88	648	1	213	958	81	79.43	91	94	27	113	1301	286	676	601	24	126	200	72	172	104	186	77	62	3.4	4.3	4553
1868	1474	1265	92	604	92	661	0	209	1015	71	80.03	77.1	85	23	98	1373	218	840	502	31	132	181	69	160	102	166	97	56	3.0	3.5	5264
1869	1633	1390	108	681	108	709	0	243	1123	82	80.03	75.9	107	18	93	1217	284	930	563	24	139	196	90	177	118	187	98	55	3.4	4.3	6953
1870	1706	1302	79	584	76	718	3	404	1083	73	83.20	92.4	85	12	140	1427	342	958	439	30	137	195	98	181	120	187	106	45	3.4	4.8	8767
1871	1781	1427	75	649	75	778	0	354	1143	52	80.09	69.3	109	13	178	1537	253	1056	456	25	154	187	91	167	122	178	126	43	3.1	3.9	9792
1872	1815	1547	93	665	88	882	5	268	1271	52	82.15	55.9	120	23	259	1701	265	1289	396	16	160	179	97	163	135	173	133	42	3.1	4.3	11878
1873	1958	1550	92	640	85	910	7	408	1201	64	77.48	69.5	186	13	291	1700	256	1195	441	64	187	171	129	158	156	165	156	44	3 3	6.0	13517
1874	2153	1639	75	713	68	926	7	514	1342	54	81.88	72	127	10	234	1800	236	1251	394	120	183	167	111	144	149	159	146	41	2.7	5.6	15612
1875	2357	1841	85	799	72	1022	13	516	1412	57	76.70	67	189	16	285	1989	233	1565	336	88	199	165	132	145	166	156	176	31	2.8	5.2	16993
1876	2560	1906	92	900	82	1006	10	654	1621	45	85.04	48.9	150	20	245	2096	242	1696	308	92	210	173	163	148	185	160	182	36	3.2	5.7	17292
1877	2131	1657	110	863	103	794	7	474	1339	57	80 80	51.8	130	20	147	1847	278	1270	339	48	194	184	135	168	164	175	178	33	2.8	5.5	18004
1878	2275	1794	63	946	58	848	5	481	1461	45	81.43	71.4	134	12	200	1950	238	1578	334	38	187	182	132	154	165	168	170	34	2.8	5.2	18744
1879	2310	1813	76	979	63	834	13	497	1462	46	80.63	60.5	143	12	222	1971	230	1577	352	42	188	164	131	150	163	157	165	30	2.8	5.1	18960
1880	2701	2123	51	1117	46	1006	5	578	1731	32	81.53	62.7	151	6	351	2284	202	1864	371	45	188	159	156	146	170	152	165	35	2.5	4.5	20566
1881	2786	2106	66	1074	57	1032	9	680	1853	37	82.19	56	189	14	391	2270	220	1835	419	26	195	161	139	147	166	150	168	39	2.79	4.41	18443
1882	2587	2147	82	1127	73	1020	9	440	1775	47	87.83	57.3	177	8	348	2302	237	1876	399	12	195	166	143	149	168	156	167	35	2.84	4.41	16304
1883	2460	2020	109	1035	93	985	16	440	1664	63	82.33	53.8	181	17	432	2185	276	1633	473	79	189	171	143	151	168	164	168		2.75	4.80	*7102
1884	2494	2096	113	1043	95	1053	18	398	1685	57	80.39	50.4	191	17	397	2310	278	1815	448	47	186	175	129	154	165	166	159	40	3	4.14	14824
1885	2636	2327	95	1178	84	1149	11	299	1945	62	85.38	65.3	192	17	443	2472	270	2044	382	46	184	185	147	159	167	171	166	26	2.38	4.08	17016
1886	2686	2580	93	1313	85	1267	8	106	2100	68	81.39	73.1	192	14	471	2756	263	2283	409	64	206	191	133	167	173	169	178	30	2.78	3.72	17925
1887	2876	2814	75	1376	66	1438	9	62	2259	46	80.24	61 3	245	17	490	3015	242	2523	429	45	217	176	150	157	185	160	196	40	2.90	3.57	18981
1888	3339	3256	105	1650	86	1606	19	83	2661	63	81.72	60.	277	23	496	3455	269	2731	553	154	215	171	156	157	193	164	194	42	2.16	3.46	19472
1889	3535	3419	113	1806	101	1613	12		2703	64	79.05	56.1	300	16	530	3624	279	3016	500	94	227	175	170	159	207	168	227		2.28	3.40	22939

*Out-patient Department open only five months.

TABLE No. 23.

TABLE SHOWING THE COST OF PRINCIPAL STORES AT McLEAN ASYLUM.

Articles.	1886.			1887.			1888.			1889.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, ... lbs.,	72,269	$9,377.03	.1298	76,333	$8,762.60	.1136	79,352	$9,714.96	.1224	87,083	$9,466.79	.1080
Mutton and Lamb, "	27,142	2,614.26	.0962	28,694	2,574.84	.0897	27,980	2,761.69	.0986	29,610	2,726.74	.0920
Veal, ... "	14,977	1,590.73	.1062	10,799	1,162.19	.1076	14,842	1,578.40	.1064	14,588	1,495.02	.1024
Poultry, ... "	15,453	2,674.98	.172	15,565	2,802.43	.180	16,868	2,827.85	.167	18,357	3,154.15	.171
Ham, etc., . . . "	13,292	1,460.57	.109	13,093	1,512.56	.115	12,878	1,466.73	.113	12,496	1,345.02	.107
Eggs, ... doz.,	11,193	2,339.44	.209	10,888	2,258.75	.207	10,832	2,352.07	.217	11,267	2,436.84	.216
Lard, ... lbs.,	1,471	114.26	.077	2,015	169.56	.084	2 346	222.79	.094	2,740	240.62	.087
Flour, ... bbls.,	512	2,728.73	5.32	530	2,728.62	5.13	551	2,832.16	5.14	500	2,961.23	5.92
Butter, ... lbs.,	20,931	4,650.73	.222	21,320	4,756.39	.223	19,225	4,448.85	.231	19,958	4,358.62	.218
Coffee, ... "	3,336	691.16	.207	3,361	822.04	.244	3,333	812.52	.243	3,410	856.73	.251
Tea, ... "	1,188	389.00	.327	1,264	394.08	.311	1,274	383.51	.301	1,282	360.38	.280
Sugar, ... "	28,996	1,824.45	.063	28,373	1,712.08	.060	31,665	2,210.40	.069	32,293	2,500.20	.077
Lights, Gas, etc., feet,		2,693.02			2,957.27			3,089.74			3,006.90	
Coal, ... tons,	$1,328\frac{125}{2000}$	7,087.31	5.34	$1,332\frac{1616}{2000}$	7,145.92	5.36	$1,375\frac{1070}{2000}$	8,856.03	6.436	$1,249\frac{1630}{2000}$	7,335.82	5.873
Wood, ... cords,	20	140.00	7.00	$10\frac{1}{2}$	84.00	8.00	$10\frac{1}{2}$	73.50	7.50			
Ice, ... tons,	$473\frac{800}{2000}$	1,088.56	2.30	$554\frac{1300}{2000}$	1,275.66	2.30	$462\frac{300}{2000}$	1,062.94	2.30	$473\frac{1500}{2000}$	1,673.47	3.532

SEVENTH ANNUAL REPORT

OF THE

McLEAN ASYLUM TRAINING SCHOOL FOR NURSES.

For the Year 1889.

To the Trustees of the Massachusetts General Hospital:

Gentlemen,— This first formal report of the Asylum Training School is to mark its establishment as an integral part of the work of the Asylum. It has long passed the experimental stage. Since its inauguration in 1882, four classes of women and two of men have been graduated; and the benefits of the new order of things in the nursing service have been developed beyond the sanguine expectations that were held in forecasting its work. A brief history of the School and a description of its methods are here presented.

It was determined in 1879 to establish a school for the training of the attendants in this Asylum. It was planned that the School should be not simply for the instruction of attendants upon the insane, but also to fit young men and women, as in general hospitals, to undertake general nursing. It was hoped that by this plan the inherent defect would be overcome that had caused the failure of all previous attempts to establish the systematic training of nurses for the insane. It is instructive to consider the reasons for this.

Many attempts had been made to gain the desired result, — notably that of Dr. Browne at the Crichton Institution in England. This was in 1854, the very year that Florence Nightingale inaugurated in the Crimea the noble reform that has been so great a blessing to the world. Dr. Browne's effort was the "first attempt to educate the attendants upon the insane," and his method of instruction was by a course of lectures. This continued but a short time; but he and, before him, Dr. Jacobi in Germany and Samuel Tuke in

England, and others interested in the care of the insane, were all in advance of their time in their ideas of true nursing-reform. But to Miss Nightingale the opportunity came; and we see the great results in all the civilized world, in hospital and private nursing. After this the example of the general hospitals was strongly felt, both in Europe and America; but the later attempts in the asylums failed of success, and in 1879 there did not exist in any asylum in the world an organized school for the training of attendants.

Previous to 1882, as preparatory measures, some general hospital methods were introduced here, including certain class instruction, and teaching in ward and bedside duties; and in that year the School was formally organized by the appointment of a Superintendent of Nurses, who was a trained general hospital nurse with previous asylum experience. In 1883–84, the school methods were gradually developed, and special difficulties were overcome that seemed to stand in the way of accomplishing the purpose of giving instruction in general nursing. It was believed to be wisest to proceed slowly and surely, and to make no experiments with lectures until the more important features of the organization of the system were perfected. But these were important and active years in the initial stage of developing the methods of instruction.

In 1884, the present Superintendent of Nurses, Miss L. E. Woodward, was appointed to that office by promotion from the place of Supervisor, which she had held for fourteen years, in addition to a service of six years as an attendant. Her long experience here was supplemented by the special privilege then granted by the Trustees of the Boston City Hospital in permitting her to take a six months' course of practical study in its wards; and she learned also the technique of school work. The same liberal spirit has been shown on other occasions at that hospital in giving similar aid to the development of nursing-reform in this new and most important field. In following such an example, great good will be done by general hospitals.

The preparatory work here having reached its consummation in 1884, the system of training was already well advanced in its establishment. At the close of the year 1885,

the first graduates were nearly ready for their final examinations; and in a little more than three years from the time of the formal organization of the School six nurses were given their certificates early in 1886, being accounted as of the class of that year, as will appear in the list of graduates. The first class of women numbered fifteen graduates: the first class of five men was graduated in 1888, the systematic training of the men not having been undertaken until the work was well established among the women. It should be noted, however, that the formal training of men was begun in 1886, which marks the beginning of one of the earliest successful attempts to train men systematically for the profession of nursing. The first seven years of the existence of the School show as results: —

	Women.	*Men.*	*Total.*
Graduates, ...	54	10	64
Graduates remaining in service, . . .	14	5	19
Pupils under training, ...	30	24	54

From the beginning, the steady improvement in the nursing service of the Asylum, and the uniform success of its graduates in bodily as well as mental nursing,— both within the Asylum and in private cases outside of it,—are in proof of the soundness of the principles upon which the work of the School was established. While these results, as definite products of the School, show its character and demonstrate the validity of its work, they are far from revealing the value of some of the most important lessons taught by experience in the efforts made to accomplish such results.

The first lesson that had to be learned was the reason for the failure of the many previous attempts at the systematic training of nurses for the insane, when there had so long been a genuine interest in it. There was fault of method in dealing with requirements and difficulties, and failure to recognize some vital principles. The attempts were too tentative and not sufficiently well organized. It was easy to give a few lectures to the attendants; but there was difficulty in keeping them in the service, and the zeal of all concerned soon waned with the novelty of the "attempt." The scope of every plan of teaching was too limited: it appears not to have gone beyond the idea of improving the attendance upon the patients immediately concerned. The pro-

fessional element in the work of nursing as a prospective means of livelihood was not made sufficiently important as the proper and necessary stimulus to undertake and adhere to a methodical course of study to fit the nurse for the profession. No one offered such a comprehensive course of study. All doubted if there would be any place in the public service for such asylum-trained nurses when they were educated. Then it was said, if they do find such employment after being taught, they will all leave the asylums, which will thus gain nothing from the extra labor of teaching. It was also said that the asylums could furnish only the means of teaching the care of the insane, so that bodily nursing could not be adequately taught; and that the repugnance to mental nursing would forbid the finding of the right material for training as in the general hospitals. The acceptance of these, as correct views of the situation, is still enough to arrest all effort, or to limit it when essayed.

The next lesson to be learned was how to break through these apparent difficulties: this necessitated a study of the principles involved. What was wanted in the nurse was intelligence, sympathy, and trustworthiness. It was seen that the secret of Florence Nightingale's success was in overcoming repugnance to the work of nursing by giving the nurse better knowledge of the nature of disease and how to relieve suffering. The natural motherliness of the nurse was at once enlisted by teaching her what to do. This aroused and awakened the sympathy of intelligent minds, and thus came character and trustworthiness. For the insane, it was only necessary to apply the same principle of giving knowledge to the nurse, and to re-enforce all by making use of the same motive of wholesome self-interest that stimulates the general hospital nurse to fit herself for the practice of a respectable, self-supporting profession.

It was believed, therefore, that an asylum school should teach all the principles of general nursing, and as much of the practice of it as possible, not only for the sake of the asylums, but for the public good, and that there need be no hesitation through fear that such nurses will not find useful places in the world. It was believed, also, that the requisite instruction could be given to fit the nurse fairly well for competition with the nurse trained in the general hospitals.

Then such nurses finding remunerative employment, that fact, it was believed, would certainly attract interest and applicants to the School. It was accepted as probable that all the first graduates would early leave the School to seek their fortunes; but there was no doubt that, as in the general hospitals, some would remain — one or more from each class — till in due time there would be a sufficient number of trained and experienced nurses in the service. It was held that, if one-third of the whole number were thus well trained, it would be quite enough, the rest being pupils. At the outset, to stimulate the expectation of profitable employment in private nursing, nearly fifty attendants were sent out upon application for them, for private cases, during the years 1880–85; and ever since everything has been done to help on our graduates outside of the Asylum.

True to experience in these matters, there was an abatement of apparent success after the graduation of the second class. The experienced nurses who remained were few, and applications came slowly: the School was not yet well enough known. But this was not unexpected, and it did not continue long. The zeal of the pupils and teachers was maintained, and the fact of success became established. The graduates all found ready and profitable employment; and the few men have done well, although the demand for their services is limited because the scarcity of those who have had proper training has the effect of making the prices so high as to be prohibitory of their common employment. There should be more of such nurses to be had at reasonable rates; there would then be more business for them. Physicians have found that these nurses do well in bodily nursing, and, moreover, that they possess certain qualities which make them especially patient, tactful, and successful in cases that are difficult through nervous and mental irritability,— a kind of cases that the general hospital nurse confessedly does not like.

An arrangement was made in 1886 with the Boston Training School at the Massachusetts General Hospital, by which any female graduate of this School, who wishes to have additional practical experience and instruction in general nursing, has the privilege, under the usual conditions, of entering that School and receiving its diploma after completing satis-

factorily the studies of its senior year. The graduates of that School are received here upon like terms. Seven of the graduates of this School, accepting this privilege, have entered the hospital course, and five have graduated from it, with great satisfaction in the fact that they have had both kinds of training. Two have not yet completed the course. This extra course in either case is especially useful as a preparation for teaching, all general nursing involving more or less of the mental element. The training in mental nursing broadens the nurse's understanding of many aspects of disease, and educates skill and tactfulness of a high order. It is for her a mental and moral education in the best sense, as a qualification for the ordinary relations of life.

During the whole history of the School, and particularly during the somewhat critical period of its first two or three years, there was undoubted evidence that the perpetuity of the work depended largely upon one of the first provisions made for it; namely, the employment of a special officer to carry on the substantial part of the teaching, and to attend to maintaining the organized system of school operations. Especial mention should be made of the excellence and efficiency of Miss Woodward's labors in this regard and of the important part in the work that was borne by the assistant physicians. The lectures and the like given by the medical staff were useful and essential, but the continuity of the work in its necessary details was sustained by services other than those of the already much-occupied physicians.

It will now be seen how the results set forth in the beginning of this report were dependent upon the plan of organization. The outcome is even better than was expected in so short a time, in respect to the number of graduates that remain in the service. Not only this, but it now remains to bear some testimony to the character and quality of the service rendered by these nurses. It is difficult to present this adequately, It is given to the experienced superintendent alone to appreciate such a thing as this. He knows what it is, under such responsibilities, to *feel* what his household is doing and the spirit with which it is being done. The paramount consideration, however, is the relation of the nurse to the patient. From this side there are constantly coming, in a multitude of ways, from patients and their

friends, spontaneous expressions of the most significant kind, testifying to a gratifying appreciation of the uniform kindness and helpfulness of the nurses to the sick. In the very nature of the case, there must sometimes be control and restriction of patients and inevitably misconception and complaint on their part. But, when such patients grow fond of their nurses,— and the testimony of convalescents is uniformly to their credit,— the evidence is unquestionable. The proof is satisfactory to me that it is the knowledge given to the nurse by careful instruction which brings satisfaction to her from the exercise of the ability to intelligently direct her sympathies. With such stimulation, she knows what is needed, and when and why to give her sympathy: she knows the wrong of not giving it. There are two maxims that apply to the well-instructed nurse: "The more you trust, the more you may," and "People generally do what you expect of them." It is held, therefore, that this demonstration of what the nurse may be for the insane settles one of the problems of hospital construction. Buildings may be placed, as to distance from each other, without reference to the rule for closeness of surveillance by a medical officer, in order to secure kind and trustworthy care. It is equivalent to having a trusted supervisor in every building.

A word should be said of the established success of the female nurses in the men's wards. There are three of them, and two ward-maids, who are like "second girls" in domestic service. These five women are resident in five of the ten wards devoted to men,— and two other wards could be included,— with precisely the same freedom and propriety as they would be in the wards of a general hospital. No more than in such a hospital is there ever a thought of care about the presence of these women in our wards for men. It has become a commonplace matter in that regard, but the usefulness of it and its refining influence are invaluable. To this are due largely the manifest success and satisfaction that have come to attend the care of old people, to whom a woman's gentle thoughtfulness means so much.

The stability and *morale* of the service furnish excellent evidence of the value of the new system. The effect of the regular changes, caused by the departure, after due notice, of graduates and others in good standing, there still remain-

ing some from the old system, has been stated. Four or five probationers are discharged each year. Aside from these there were comparatively few cases of discipline and dismissal. During the past three years, the special causes of leaving the service were as follows: —

	1887.		1888.		1889.	
	M.	*F.*	*M.*	*F.*	*M.*	*F.*
Illness,	1	2	1	4		2
Without notice,				2		
Inefficiency,	2		1			
Neglect of duty,			3	2	1	1
Unkindness,	2					
Intoxication,	1					
Sleeping on watch,	10		5		5	

On the side of the physician, the advantage of the new order of things might be stated strongly. To have nurses in every ward who can make an intelligent analysis of mental symptoms, and detect many of the important particulars in which disorder exists, is not only to have instruments in one's hands for the precise application of remedial influences of "moral treatment" of a kind before unavailable, but it enlarges the physician's own knowledge of morbid conditions. The asylum thus becomes a hospital in truth, and both the humane and the scientific spirit are invited to dwell and flourish in it.

The course of instruction, as stated in the following summary, includes both class instruction in the text-books and that given in the lectures by the physicians. Each class, senior and junior, receives about thirty lectures in each year. Thus each pupil hears, and writes out in lecture-books, about sixty lectures in the course. Those of the junior year are devoted to general nursing, with practical application to nervous and mental diseases. In the senior year, besides housekeeping, ventilation, etc., particular attention is given to elementary psychology, the recognition of symptoms of mental disorder, and the care of the various conditions of the insane.

All the nurses are carefully instructed and practised in giving massage, which proves of undoubted benefit in properly selected cases. The practice in other forms of physical exercise and movement treatment, in which the nurses have

been trained in the past two years, promises to be of benefit to the patients and advantage to the nurse.

In the following pages are given the circular of information to applicants, the course of instruction, and a list of graduates of the School from its beginning.

Very respectfully,

EDWARD COWLES,

Medical Superintendent.

McLEAN ASYLUM TRAINING SCHOOL FOR NURSES.

The Trustees of the Massachusetts General Hospital, having established at the McLean Asylum for the Insane a school for nurses, offer to give to men and women desirous of becoming professional nurses a two years' course of training in general nursing, with special reference to the care of cases of nervous and mental disease.

Those wishing to receive such a course of instruction must apply to the Superintendent of the McLean Asylum, Somerville, Mass.

The most desirable age for candidates is from twenty-one to thirty-five years. *They must be in sound health, and must send with their application a certificate from a physician certifying to the fact; also, one from some responsible person as to their good character and good health.* Upon the recommendation of the Superintendent of the Asylum and the approval of the Trustees, they will be received for two months on probation, at the expiration of which time they will, if accepted, sign an agreement to complete the prescribed course of two years.

The Superintendent of Nurses has charge of the Training School, under the authority of the Superintendent of the Asylum and of the Board of Trustees; and the nurses are subject to the rules of the Asylum. Their fitness for the work and the propriety of retaining or dismissing them at the end of the two months of trial are determined by the authorities in charge of the School, under the direction of the Trustees; and the same authorities can in like manner

discharge them at any time in case of misconduct or inefficiency. They reside in the Asylum, and serve as assistant nurses in its wards.

All nurses are required to be sober, honest, truthful, trustworthy, punctual, quiet, orderly, cleanly, neat, patient, kind, and cheerful.

The instruction includes the general care of the sick; the managing of helpless patients in bed, in moving, changing bed and body linen, making of beds, etc.; giving baths, keeping patients warm or cool, preventing and dressing bed sores; bandaging, applying of fomentations, poultices, and minor dressings; the preparing and serving of food, the feeding of helpless patients and those who refuse food; the administering of enemas and use of the catheter; attendance upon patients requiring diversion and companionship; the observation of mental symptoms, delusions, hallucinations, delirium, stupor, etc., and the care of excited, violent, and suicidal patients.

They are also given instruction in the best practical methods of supplying fresh air, warming and ventilating sick-rooms in a proper manner, and are taught to take proper care of rooms and wards, in keeping all utensils perfectly clean and disinfected, etc.; to observe the sick accurately in regard to the state of the secretions, pulse, breathing, skin, temperature, sleep, appetite, effect of diet, of stimulants, and medicine; the giving of massage; and the managing of convalescents.

Instruction will also be given in the modern methods of physical training, by the use of free movements and the usual apparatus, in a gymnasium provided for the patients. The nurses are taught the medical application of physical exercise. Each nurse is required to have a gymnasium costume: the material for the dress will be furnished, at moderate cost, by the Asylum.

The instruction is given by the Superintendent of the Training School, and by the Supervisors and Head Nurses. Lectures and demonstrations will be given, at stated periods, by the Asylum Medical Staff. Examinations, chiefly upon practical points, take place from time to time.

The pupils are employed as assistant nurses in the wards of the Asylum. Women will be paid twelve dollars ($12)

per month during the first year, and fifteen dollars ($15) per month during the second year, for their clothing and personal expenses. Men will be paid twenty-three dollars ($23) per month during the first year, and twenty-five dollars ($25) per month during the second year. Their education during this time is considered as compensation for their services. Women graduates will be paid twenty-five dollars ($25) per month; men graduates twenty-seven dollars ($27) and thirty dollars ($30) per month, according to length of service.

The men and women are required to wear at all times, while on duty in the wards, the asylum uniform.

When the full term of two years is completed, the nurses thus trained receive (after final examinations) diplomas certifying to their period of training, their proficiency and good character.

The right is reserved to terminate the connection of any nurse or pupil with the School, for any reason which may be deemed sufficient.

A female graduate of this School, who wishes to have additional practical experience and instruction in general nursing, has the privilege, under certain restrictions, of entering the Boston Training School for Nurses at the Massachusetts General Hospital. Such graduates will, after one year's satisfactory study, receive the diploma from that School, in addition to the diploma received from the McLean Asylum Training School.

N.B.— This paper to be filled in (in the Candidate's own handwriting), and sent to the Superintendent of McLean Asylum, Somerville, Mass.

QUESTIONS TO BE ANSWERED BY CANDIDATE.

1. Name in full of Candidate.
2. Are you single, widow, or widower?
3. Your present occupation or employment?
4. Age last birthday, and date and place of birth?
5. Height? Weight?
6. In what school or schools educated, and in what place?
7. Are you strong and healthy, and have you always been so?
8. Are your sight and hearing perfect?
9. Have you any physical defects?
10. Have you any tendency to pulmonary complaint?
11. If a widow or widower, have you children? How many? Their ages? How are they provided for?
12. Are you otherwise free from domestic responsibility, so that you are not liable to be called away?
13. Where (if any) was your last situation, and how long were you in it?
14. Have you ever been in any Training School or employed in any hospital or asylum? If so, where and how long in each place?
15. The names in full and addresses of two persons, not of your own kindred, to be referred to. State how long each has known you. If previously employed, one of these must be the last employer.

 Name, ...
 Address, ...
 has known me years.

 Name, ...
 Address, ...
 has known me years.

Having read, and clearly understanding and agreeing to the foregoing conditions and regulations, I declare the above statement to be correct.

Signed, ...
Candidate.

Present Address, ...

Nearest Telegraph Office, ...

Date, ... 189

COURSE OF INSTRUCTION.

JUNIOR YEAR.

A Manual for Hospital Nurses, ... *Domville*
Physiology and Hygiene (to the Nervous System), . *Hutchison*
Notes on Fever Nursing, ... *Allan*
A Text-book of Nursing, ... *Weeks*
What to do first in Emergencies, ... *Dulles*
Accidental Injuries, ... *Cantlie*
Practical instruction in massage (twelve lessons).
Physical training (thirty lessons).
Instruction in the wards by the Supervisor and Superintendent of Nurses.
A Lecture each week, First Assistant Physician.

SENIOR YEAR.

Physiology and Hygiene (completed), ... *Hutchison*
A Text-book of Nursing (completed), ... *Weeks*
A Short Manual for Monthly Nurses, ... *Cullinworth*
Notes on Surgery for Nurses, ... *Bell*
Hand-book for Hospitals (selections),
State Charities Aid Association, N. Y.
How to care for the Insane, ... *Granger*
Hand-book for the Instruction of Attendants on the Insane,
Sub-Com. British Med.-Psych. Association.
Practical instruction in cooking (six lessons).
Physical training (thirty lessons).
Medical gymnastics (thirty lessons).
Instruction in the wards by the Supervisor and Superintendent of Nurses.
A Lecture each week, Superintendent.

ORDER OF EXERCISES, 1889-90.

WOMEN.

Monday.

11.00 A.M.	Senior Class (1st Div.), Massage,	Miss WOODWARD
4.15 P.M.	Senior Class, Recitation, . . .	Miss WOODWARD
7.00 P.M.	Junior Class, Recitation, ...	Miss ROWE
8.00 P.M.	Junior Class (1st. Div.), Massage, .	Mrs. PIERCE

Tuesday.

11.00 A.M.	Senior Class, Instruction in Physical Training, ...	Miss ADAMS

Tuesday.

2.00 P.M. Junior Class (2d Div.), Massage, . Mrs. PIERCE
4.15 P.M. Senior Class, Lecture, ... Dr. COWLES

Thursday.

2.00 P.M. Senior Class (1st or 2d Div.), Cooking, ... Miss MAYNARD
4.15 P.M. Junior Class, Lecture, ... Dr. TUTTLE
7.30 P.M. Junior Class, Instruction in Physical Training, ... Miss ADAMS

Friday.

11.00 A.M. Junior Class (3d Div.), Massage, Miss WOODWARD
4.15 P.M. Junior Class (1st and 2d Div., on alternate weeks from Feb. 1), Care of Sick Patients in Bed, Poulticing, etc., ... Miss BOURKE
4.15 P.M. Graduates, Review, etc., . . . Miss WOODWARD

Saturday.

11.00 A.M. Junior Class (1st Div.),
7.00 P.M. Junior Class (2d Div.),
On alternate weeks, from Feb. 2, Bandaging, ... Miss BOURKE
4.00 P.M. Senior Class, Medical Gymnastics, . Dr. POSSE

MEN.

Monday.

4.15 P.M. Junior Class, Recitation, ... Dr. BABCOCK
7.00 P.M. Senior Class (2d Div., from Feb. 4), Massage, ... Dr. TUTTLE

Tuesday.

4.15 P.M. Senior Class, Lecture, ... Dr. COWLES

Wednesday.

4.15 P.M. Junior Class, Lecture, ... Dr. TUTTLE

Thursday.

11.00 A.M. Junior Class (1st Div.),
4.00 P.M. Junior Class (2d Div.),
On alternate weeks, from Feb. 7, Bandaging, ... Dr. BABCOCK
2.00 P.M. Senior Class (1st or 2d Div.), Cooking, ... Miss MAYNARD

Friday.

11.00 A.M.	Junior Class (1st Div.),	
4.00 P.M.	Junior Class (2d Div.),	
	On alternate weeks, from Feb. 1,	
	Care of Sick Patients in Bed,	
	Poulticing, etc., ...	Mr. OBER
4.15 P.M.	Senior Class, Recitation, ...	Dr. BABCOCK
7.00 P.M.	Senior Class (1st Div., from Feb. 1),	
	Massage, ...	Dr. BABCOCK

Name.	*Graduated.*		*Residence.*
Miss Annie Tuttle,	1888,	Private Nurse,	Brookline, Mass.
Mr. Byron Atwood,	"	Head Nurse, McLean Asylum,	Somerville, Mass.
Henry B. Northrop,	"	Private Nurse,	Boston, Mass.
George B. Ober,	"	Supervisor, McLean Asylum,	Somerville, Mass.
Frank S. Livingston,	"	Head Nurse, McLean Asylum,	Somerville, Mass.
Miss Rose E. Rockwood,	1889,	Private Nurse,	Boston, Mass.
Mary A. Eaton,	"	Private Nurse,	Boston, Mass.
Susan J. Peppard,	"	At home,	Nova Scotia.
Minnie J. Goodwin,	"	At home,	Nova Scotia.
Theresa G. Leach,	"	Nurse, Mass. General Hospital,	Boston, Mass.
Mertie M. Jones,	"	Nurse, McLean Asylum,	Somerville, Mass.
Helena M. Haynes,	"	Head Nurse, McLean Asylum,	Somerville, Mass.
Rebecka H. Cleland,	"	Head Nurse, McLean Asylum,	Somerville, Mass.
Ada M. Ryan,	"	Head Nurse, McLean Asylum,	Somerville, Mass.
Attie V. Marriner,	"	Nurse, McLean Asylum,	Somerville, Mass.
Charlotte Strum,	"	Private Nurse,	Beverly, Mass.
Annie L. Reece,	"	Night Supervisor, McLean Asylum,	Somerville, Mass.
Grace B. Beattie,	"	Head Nurse, McLean Asylum,	Somerville, Mass.
Emma E. Condon,	"	At home,	Belfast, Me.
Mr. Robert E. Creelman,	"	Nurse, McLean Asylum,	Somerville, Mass.
John W. Dewis,	"	Dartmouth Medical School,	Hanover, N.H.
Oscar M. Chandler,	"	Private Nurse,	Boston, Mass.
William H. Montgomery,	"	Private Nurse,	Boston, Mass.
Charles E. Ludwig,	"	Nurse, McLean Asylum,	Somerville, Mass.
William C. Hawes,	"	Private Nurse,	Boston, Mass.

PATHOLOGICAL REPORT.

EXAMINATIONS BY W. W. GANNETT, M.D.

CASE I.—Melancholia. Four months duration. Greatly depressed and apprehensive. No delusions until much exhausted; insomnia; gradual failure and death from exhaustion. Male, aged sixty-four.

Diagnosis: Chronic internal pachymeningitis; chronic leptomeningitis of slight degree; atrophy of the brain; injection of the gray matter of the brain; hypertrophy of right ventricle of heart; acute fibrinous pleurisy; chronic adhesive pleurisy; chronic vesicular emphysema; chronic interstitial pneumonia, with bronchial dilatation of right apex; acute purulent bronchitis; acute bronchopneumonia from inhalation; œdema of lung; injection of spleen, kidney and liver; thrombosis of prostatic plexus.

Autopsy thirty-five hours after death. Body medium-sized, well developed, considerably emaciated. Ratio of head to body and cranium to face normal. Calavaria showed nothing abnormal. Dura everywhere translucent. Inner surface of convexities covered with a very thin, delicate, false membrane, which was for the most part colorless; in parts of a slightly reddish tint. Pia showed a slight degree of milky opacity, which was most marked along the vessels in sulci. Meshes of pia of convexities contain a small amount of clear fluid for the most part in the form of cysts. Brain did not fill cavity of skull; weighed 1,500 grms. Vessels of base and in fissure of Sylvius were thin-walled and delicate. Lateral ventricles were of usual size; ependyma thin, smooth and shining. Veins in the floor injected to an unusual extent. Brain substance in general quite soft, probably due to putrefactive changes. Cortex of an unusual thickness, of a purplish tint, showing, on close inspection, very numerous red points and streaks. White matter showed a slight increase of puncta cruenta, but the injection was not nearly as marked, proportionately, as in the cortex. Section of basal ganglia, pons, and medulla showed everywhere the same purplish tint of gray matter, but beyond this there was nothing abnormal. Pia everywhere separable from the brain

substance. Heart slightly enlarged in transverse diameter. Cavity of right ventricle slightly enlarged and wall somewhat thickened, otherwise normal. Pleural surfaces on left side were adherent laterally by recent fibrinous false membrane, and on right side were adherent throughout by dense fibrous tissue. Both lungs were voluminous. The upper anterior portions of left lung were pale and emphysematous, posterior and inferior portions were dark and solidified ; on section, this was found to be due to the presence of numerous red-gray, granular nodules, in size from a pea to a filbert meat ; intervening portions were non-aërated, and contained a thin, grayish, puriform material ; odor was putrid. Bronchial mucous membrane was deeply reddened, injected, and covered with a layer of muco-purulent material. Upper lobe of right lung was very dense and firm ; on section, was found to be made up wholly of a dense, slaty connective tissue, in which were very numerous dilated bronchi ; bronchi of lower lobe of this lung contained considerable muco-purulent material, and the mucous membrane was deeply injected. Spleen slightly enlarged from increase of blood. Kidneys were of a purplish tint throughout, due to the injection of vessels. Gastro-intestinal tract showed no unusual appearance. Prostate and bladder were normal. Prostatic plexus contained numerous thrombi. Liver was not remarkable, beyond an increased amount of blood in the vessels. Thoracic portion of the aorta was normal ; abdominal portion showed numerous opaque yellow plates and softened areas of the intima.

Microscopic examination. No abnormalities were found either in the pia or in the brain substance.

Case II.— Dementia secondary to melancholia. Four and a half years duration. Excited and noisy at times ; suicidal ; resistive ; apprehensive ; delusions of persecution ; gradual mental and physical failure ; confused and untidy ; carbuncle on head three months before death ; greatly demented ; death from pneumonia. Female, aged sixty-eight.

Diagnosis : Chronic internal pachymeningitis ; atrophy and œdema of the brain ; slight basal hæmorrhage ; mucous metamorphosis of subpericordial fat tissue ; brown atrophy of heart ; acute purulent bronchitis ; acute broncho-pneumonia with atelectasis ; chronic vesicular emphysema ; senile atrophy of spleen and kidneys ; slight degree of chronic interstitial nephritis ; brown atrophy of liver ; chronic endoartitis.

Autopsy four and a half hours after death. Body small, fairly developed, much emaciated, skin unusually pale. Rigor mortis very slight. Bed sore over left trochanter. Ratio of head to body

and cranium to face normal. Dura of convexities opaque, not permitting a view of the convolutions and vessels beneath. Inner surface of dura of convexities and frontal fossæ was covered by two distinct layers of newly formed membrane, the one lying next the dura being composed of dense fibrous tissue readily separable from the dura itself, and another layer made up of fibrin which was quite delicate. On the basal portions there was no false membrane. Sinuses contained a very small amount of fluid blood. Pia was everywhere delicate and translucent; its meshes contained considerable clear fluid. Brain was considerably smaller than the cavity of the skull, and there was an escape of a large amount of clear, thin fluid on its removal; weighed 1,455 grms. Vessels at the base and in the fissure of Sylvius were everywhere thin-walled and delicate. Lateral and fourth ventricles were slightly enlarged, but the ependyma was everywhere smooth and shining. Brain substance in general was remarkably flaccid; on section, the cortex in general was found to be thin and of a yellowish cast. White matter between the convolutions was depressed below the gray, and the white matter in general was unusually moist. On the floor of the left ventricle, just about the middle of the left nucleus caudatus, was a recent superficial hæmorrhage about 5 mm. in diameter. Section of basal ganglia showed throughout an unusual degree of translucency. White matter of the cerebellum was much thinned, and the gray matter presented a gelatinous appearance. Pia was everywhere separable from brain substance. Subpericordial tissue presented a gelatinous appearance. Heart considerably reduced in size, but was symmetrical; valves and cavities natural, and the muscular substance firm and of a dark brown color; the pleural surface free from adhesions. Upper anterior portions of both lungs were pale, inelastic, and downy; the posterior portions were firm, dark red, and non-crepitant; on section, these dark portions showed presence of numerous grayish-red, granular nodules, varying in size from a pea to an English walnut. Bronchi contained considerable pus. Spleen small, capsule wrinkled; on section, the trabeculæ were very distinct, pulp atrophied. Kidneys reduced about one-third in size; density increased; the capsule detached less easily than normal; surface here and there slightly granular, cortex slightly thinner and slightly more translucent than normal. Gastro-intestinal tract and pelvic organs normal. Liver reduced about one-third in size, of a brownish color; on section, the acini were considerably smaller than normal, central parts pigmented, and showed in addition a few cysts the size of walnuts, with clear fluid contents. Aorta showed in the intima a few opaque yellow, thickened patches.

Microscopic examination. Pia normal. Cortex: the perigangli-onic and perivascular lymph-spaces were unusually enlarged, more so than would be accounted for by retraction from the hardening agents, but beyond this nothing abnormal was found in the cortex. The white matter adjacent to the cortex showed marked atrophy of the white substance of Schwann (myelin sheath), with disappear-ance of many of the nuclei. It was probably to this condition that the gelatinous appearance noticed in the gross appearance was due.

Case III.— Dementia secondary to acute mania. Duration four and a half years. First attack of acute mania twenty-one years before admission, with complete recovery. Excited, extravagant, suspicious, noisy; delusions and hallucinations; later, quiet and demented; death from ulcerative endocarditis and septic emboli. Male, aged sixty-eight.

Diagnosis: Slight degree of chronic leptomeningitis; chronic basilar endarteritis; chronic circumscribed adhesive pericarditis; hypertrophy and dilatation of the cavities of the heart; chronic aortic endocarditis; acute vegetative and ulcerative endocarditis; necrosis of heart wall of septum behind aortic wall; relative insuf-ficiency of mitral and tricuspid valves; chronic adhesive pleurisy; chronic tuberculosis of apices of the lungs; engorgement and hæmorrhage of the lungs; embolic infarction of the spleen; mul-tiple, septic, embolic abscesses of the kidneys.

Autopsy twenty-one hours after death. Body of medium size, well developed and well nourished. Marked lividity of dependent parts. Rigor mortis present. Ratio of head to body and cranium to face normal. Skull brachycephalic. Calavaria firmly adherent to the dura; calavaria showed several large veins. Inner surface of the dura was normal. Pia on the anterior portion of the con-vexity showed slight degree of milky opacity in the fissures along the course of the blood-vessels. Vessels contained the usual amount of blood. On the base, the vessels showed here and there opaque yellow plates in the intima. Ventricles of normal size; ependyma smooth and shining; choroid plexuses converted into cysts containing clear fluid. Brain substance in general quite firm; cortex of unusual thickness and color; white matter firm, and the puncta cruenta of the usual size and number. Section of basal ganglia, pons, medulla, and cerebellum showed nothing ab-normal. Careful examination of the right and left third frontal convolutions failed to show anything abnormal. Pia was every-where readily separable from the brain substance. Brain weighed 1,560 grms., and filled the cavity of the skull. The two pericar-dial surfaces were adherent over the aorta, and in two or three

places over the right auricle and the left ventricle by firm fibrous tissue. The heart was enlarged in both transverse and vertical diameters, and all the cavities contained dark fluid blood. The aortic valves were insufficient to water test; pulmonic sufficient; mitral orifice admitted four finger-tips, tricuspid seven. Two of the segments of the aortic valves and a part of the third were occupied by a cauliflower-like mass of vegetation, the size of a hickory nut. The posterior portion of the segment toward the right ventricle was lacerated at its base, so as to leave a slit large enough to admit the point of the little finger. Behind the valve in the sinus of Valsalva the aortic wall was lacerated, leading into a cavity large enough to admit the tip of the thumb. The wall of this cavity was formed by lacerated hæmorrhagic muscle substance. This had extended nearly, but not quite through the septum of the ventricles, the hæmorrhage being very evident beneath the endocardium of the right ventricle over a space larger than the thumb-nail. The remaining valves of the heart showed no abnormal appearances. Pleural surfaces on the right side were adherent throughout by fibrous tissue; the left side was free from adhesions. Both lungs were engorged with blood, and showed the presence of numerous small hæmorrhages. In the apices of both lungs were several cheesy nodules, about the size of a pea, surrounded by fibrous tissue. In the border of the spleen was a gray, opaque, firm nodule, the size of a common walnut, showing on section a homogeneous, opaque, gray surface. The pulp of the spleen was somewhat increased in amount. In both kidneys were a few small gray bodies, the size of split dried peas, with softened centres from which a drop of fluid resembling pus could be removed by the point of a knife. Liver and gastro-intestinal tract showed nothing abnormal. Ascending portion of aortic arch enlarged so as to admit two thumbs.

Microscopic examination. There was an unusually large collection of granular hæmatoidin in the adventitial lymph-spaces of the arteries of the cortex, but beyond this nothing abnormal was found in pia, cortex, or white matter.

Case IV.— General paresis. Duration six years, in Asylum four years. Two years before admission, trouble with eyes, becoming nearly blind. One year later, partial paralysis of legs, with cerebral symptoms in six months. Delusions of grandeur; hallucinations; excited; progressive dementia; gradual failure and death from exhaustion. Male, aged fifty.

Diagnosis: Slight degree of chronic leptomeningitis; œdema of the pia; atrophy of brain; atrophy of gray and white matter; dila-

tation of the ventricles; chronic granular ependymitis; chronic meningo-encephalitis; chronic emphysema; hæmorrhages into lungs; venous engorgement of spleen, kidneys, and liver; cyst of liver.

Autopsy twenty-four hours after death. Body large, well developed, somewhat emaciated. Bed sore over right trochanter. Ratio of head to body and cranium to face normal. Skull mesocephalic. Calavaria normal. Dura normal. Pia of convexities and base showed a slight degree of milky opacity. Meshes of the pia contained considerable clear fluid. Convolutions were small, and sulci wide. Brain did not fill the cavity of the skull; weighed 1,275 grms. Vessels at the base and in the fissure of Sylvius were thin-walled and delicate. Lateral ventricles were each nearly three times the usual size, the enlargement and rounding of the cornua being especially conspicuous. Ependyma of the lateral ventricles slightly warty and granular; that of the fourth ventricle markedly so. Brain substance in general was quite firm. Section of the cortex showed it to be thinned; the white matter in the convolutions retracted on section, and the canals of the vessels were unusually large. Section of the basal ganglia, pons, medulla, and cerebellum showed nothing abnormal. Pia of the convexities was slightly more adherent than normal. Heart was of normal size; valves, cavities, and muscular substance presented no unusual appearance.

Microscopic examination. Pia: there was a slight increase in the amount of fibrous tissue, and considerable increase in the number of round cells. Cortex: the outer portion of the first layer showed a well-marked, finely fibrous meshwork, with numerous spider-cells. The nerve-fibres of outer portion of cortex considerably atrophied. There was marked round-cell infiltration of the adventitial lymph-sheaths of the arteries throughout the cortex. These are the evidences of the meningo-encephalitis commonly found in general paresis.

Officers of the Institution.

1890.

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CHARLES H. DALTON.

Vice-President.

John Lowell.

Treasurer.

Franklin Haven, Jr., 28 State Street.

Secretary.

Thomas B. Hall, 75 State Street.

Trustees.

Samuel Eliot, *Chairman*, 44 Brimmer Street.
* Frederick L. Ames, 47 Equitable Building.
* Charles V. Bemis, Medford, Mass.
E. Francis Bowditch, Framingham, Mass.
Edmund Dwight, 50 State Street.
William Endicott, Jr., 32 Beacon Street.
* David P. Kimball, 35 Congress Street.
Thornton K. Lothrop, 8 Congress Street.
* Thomas E. Proctor, 127 South Street.
Nathaniel Thayer, 50 State Street.
David R. Whitney, 85 Devonshire Street.
Roger Wolcott, 53 Tremont Street.

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Francis Minot, M.D.
Morrill Wyman, M.D.
George C. Shattuck, M.D.
Richard M. Hodges, M.D.
Samuel L. Abbot, M.D.

* Appointed by the Governor of the Commonwealth.

OFFICERS OF THE HOSPITAL.

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Visiting Physicians.

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WM. L. RICHARDSON, M.D.
EDWARD N. WHITTIER, M.D.
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Physicians to Out-Patients with Diseases of the Nervous System.

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Pathologist.

REGINALD H. FITZ, M.D.

Chemist.

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Artist.

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Assistant Pathologist.

WILLIAM F. WHITNEY, M.D.

Assistants for Diseases of the Nervous System.

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Assistants for Diseases of the Throat.

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J. PAYSON CLARK, M.D.

Assistant for Diseases of the Skin.

JOHN T. BOWEN, M.D.

Medical House Pupils, 1889–90.

ARTHUR P. CHADBOURNE. EDWARD F. CUSHING.

Surgical House Pupils, 1889–90.

MALCOLM STORER. GEORGE ELIOT.
JAMES G. MUMFORD. ARTHUR L. FISK.

Matron.

Miss G. L. STURTEVANT.

Superintendent of Nurses.

Miss MARIA B. BROWN.

Apothecary.

WILLIAM A. CAMERON.

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Medical Superintendent.

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1st Assistant Physician.

JAMES W. BABCOCK, M.D.
2d Assistant Physician.

WILLIAM NOYES, M.D.
Pathologist and Asst. Phys.

Medical House Pupils.
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ARTHUR C. JELLY. FRANK B. MALLORY.

Purveyor.
JOHN P. BRADBURY.

Superintendent of Nurses.
Miss LUCIA E. WOODWARD.

Clerk.
Miss F. E. GILBERT.

Supervisors.
GEORGE B. OBER. Miss FLORA B. ROWE.

Apothecary.
C. M. THOMPSON.

TRUSTEES' VISITING COMMITTEES.

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Messrs. DWIGHT and BOWDITCH.

February and August.
Messrs. ELIOT and THAYER.

March and September.
Messrs. WHITNEY and AMES.

April and October.
Messrs. BEMIS and PROCTOR.

May and November.
Messrs. WOLCOTT and KIMBALL.

June and December.
Messrs. ENDICOTT and LOTHROP.

OTHER STANDING COMMITTEES.

Admitting Asylum Patients.

Messrs. Dwight and Whitney.

Finance.

Messrs. Endicott and Kimball.

Accounts and Expenditures.

Messrs. Wolcott, Thayer, and Lothrop.

Buildings and Repairs.

Messrs. Dwight, Eliot, and Whitney.

Free Beds.

Messrs. Bowditch and Proctor.

The General Library and Warren Fund.

Messrs. Eliot and Whitney.

Book of Donations.

Dr. Bemis.

Nominations.

Messrs. Eliot, Bowditch, Wolcott, and Lothrop.

New Asylum and Grounds.

Messrs. Dwight, Eliot, Endicott, Bowditch, and Ames.

LADIES' VISITING COMMITTEE.

January and February.

Miss E. Gray. Miss E. Goodwin.

March and April.

Miss Teresa Dodge. Miss Ida G. Beal.
Mrs. N. Thayer.

May.

Mrs. J. C. Gray. Mrs. S. Eliot.

June.

Mrs. Gray. Miss Jeanie L. Motley.

July.

Miss Motley.

August.

Mrs. T. E. Proctor.

October.

Mrs. Wm. L. Putnam.

November and December.

Mrs. H. W. Haynes. Miss A. W. Morrill.

General.

Miss Martha Silsbee. Miss Clara T. Endicott.

Miss Tappan.

SEVENTY-SEVENTH ANNUAL REPORT

OF THE

TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

AND

McLEAN ASYLUM

1890

BOSTON
L. BARTA & CO., PRINTERS, 148 HIGH STREET
1891

SEVENTY-SEVENTH ANNUAL REPORT

For the year 1890.

THE past hospital year has been comparatively uneventful. Quiet usefulness is the best condition of such an institution as ours, and we have reason to be grateful for all that has marked its course. There is reason also to desire greater resources to draw from in enlarging and perfecting the work of all our departments, and to lay our more pressing wants before present and possible benefactors.

The total number of patients during the year is recorded as 26,609, but nearly 350 have been entered a second time on removal from the hospital to the Convalescent Home.

The Hospital patients in wards were 3,381; the out-patients were 22,545. All the out-patients and 2,546 of the ward patients were free; 254 ward patients paid part of their cost, and 581 paid the whole. Most of the convalescents from the hospital and other institutions were free.

The Asylum patients numbered 297, of whom 44 were fully, and 241 partly paying, and 12 were free.

The total cost of treating patients, paying and free, in all departments, was $290,373.07.

Of this amount

The share for Hospital patients was	$127,727.36
They paid	29,437.99
And the free beds cost	$98,289.40
To meet this were the income of Free Bed Funds	$41,904.85
And Free Bed Annual Subscriptions	13,496.00
	$55,400.85

Showing a balance of $42,888.55, to be provided chiefly from the general income, but partly from what is called the General Fund, which is the unrestricted productive capital of the Corporation, now amounting to about $78,000, in no sense a permanent resource for annual deficits.

The Trustees venture to call special attention to the *free beds* still required. The growth of Free-bed Funds and of Free-bed annual subscriptions is one of our chief concerns, and though often set forth in previous reports, still claims anxious consideration and co-operation. It is encouraging that both the income of funds and the amount of subscriptions have increased during the year, but the increase should become much greater, to secure the service of free beds from interruption. To turn away a sick man, or woman, or child, merely for want of money, when beds are standing empty, would be a disgrace to the Hospital and to the community. No such doubts arise here as beset many charities. If one is really penniless, he cannot be pauperized by Hospital treatment. To tell him to help himself, or to bid his family, if he has any, to care for him, is mere mockery. We have never hesitated to ask for larger means to maintain free beds, and we trust that no one who can give them will withhold them, now that we ask again.

For the Asylum patients we expended $152,219.98, having received from patients $138,450, leaving a balance of $13,769.98, met in part by income of Asylum Funds, $11,025.60, and in part by the General Fund of the Hospital. Here, too, an increase of free beds is much to be wished for.

The expenses of the Convalescent Home were $10,425.70, of which patients paid $2,096.50, and the balance, $8,329.20, came from the income of the Home.

The summary of expenditures for patients, over and above receipts from them, is as follows: —

Hospital	$98,289.40
Asylum	13,769.98
Convalescent Home	8,329.20
	$120,388 58

And these were met by income of Funds:

Hospital	$97,090.08
Asylum	11,025.60
Convalescent Home	8,491.68
	$116,607.36
And by drawing from the General Fund, or capital	3,781.22
	$120,388.58

The deficit in 1889 was much larger, having amounted to $26,659.04. This is a decided change for the better, and leads us to hope that the current year may witness, for the first time in a long period, the reduction of our expenses to the limit of our income.

We are glad to state that the Hospital continues to minister to children. Besides the cases treated in the out-patient department, 274 were received into the wards, 138 boys, 63 girls, and 73 infants. The presence of these children is a solace to many of the adult patients, who, in their turn, often succor their younger fellow-sufferers. One day, a visiting Trustee heard the sound of merry laughter from the corner of a ward, and coming to the spot found a sick man in bed, taking a lesson in the alphabet from a boy beside him, and making such blunders as to convulse them both. It was one instance of hundreds to prove the wisdom of treating the young and the old together, instead of separating them in different wards or

different hospitals. The mothers of sick infants are admitted with their children, and encouraged to care for them as if at home.

A few memorials have been added to those already existing in the Hospital. The upper East ward has been named after John Redman, a Boston mechanic, who died in 1846, having constituted the Hospital his residuary legatee. The Trustees, in their report for the year 1847, estimated that this bequest would probably prove to be one hundred thousand dollars, and spoke of it as "a truly memorable instance of munificence, while its amount entitles the donor to be ranked among the very first benefactors of this institution." That he turned out to be the very first, pecuniarily, appears from the Treasurer's Tables, where the Redman Fund is entered as $455,113.34, the income being for "any purpose except buildings," and, therefore, promising to be forever productive capital.

In May last, an offer was made by George L. Kingsley, then Surgical Externe, to erect a small building for hospital photography on our grounds. It was, of course, gratefully accepted, and regarded as a singular proof of generosity and energy on the part of the Externe. In August, Dr. Kingsley became an Interne. He was not in perfect health, and his duties, in which he engaged with unusual zeal, though urged to spare himself, soon exhausted him. He died at the Hospital, after a very brief illness, on the 25th of September, much lamented and much honored by all of us. The building which he gave has been called the Kingsley Studio.

Dr. Henry Jacob Bigelow died at the end of October. Although he retired from the Hospital Staff some years ago, his connection with the institution which he had long served and greatly illustrated,

could not be finally severed, and has now been restored, at least historically, by his death. His professional predecessors were the real founders of the Hospital, while he and his generation have been the chief leaders in its expansion, and no one more than he. The following preamble and votes, prepared by Mr. Endicott, show the action of the Trustees.

The brilliant contributions of the late Dr. Henry J. Bigelow to Surgical Science entitle him to rank with the great surgeons of the world, and it is especially appropriate that the Massachusetts General Hospital should perpetuate the remembrance of his service of forty years upon its Surgical Staff, a service which contributed so much to the relief of human suffering, and gave the Hospital a wide-spread renown. It was here in 1846, that, with enthusiasm and courage, he took a leading part in the first demonstration of the anæsthetic property of sulphuric ether, a discovery which later made possible his method of reducing the dislocation of the hip joint, and again his ingenious treatment by lithola-paxy. It is no exaggeration to say that these improvements in surgery have made his name illustrious among the benefactors of mankind.

It is therefore, *Voted*, 1. That the operating room of the Hospital be hereafter designated as "The Henry J. Bigelow Operating Theatre," and the Resident Physician is instructed to have this name inscribed upon its walls. 2. That the Secretary be instructed to communicate the foregoing vote to Dr. William S. Bigelow, with the request that he will allow the Trustees to have made a copy of one of the portraits of his father, to be placed in the Henry J. Bigelow Operating Theatre, in order that the pupils of the Medical School in coming years may be stimulated by his achievements to a more thorough devotion to the noble profession which they have chosen to make their own.

During the last winter and spring, a subject presented by a committee of the Medical Faculty of Harvard University was under prolonged consideration. This was the establishment of a Clinical Ward and

Lecture Room at the Hospital to be under our administration, but with rules as yet untried by us, and to some extent at variance with our usages. While cordially recognizing the value of a clinical ward, the Trustees were unable to accept the project of the committee, and it has been dropped for the present. As a temporary substitute, three months for the year were added to the four months' service of the Visiting Physician who is the Professor of Clinical Medicine, one month being surrendered to him by each of three associates on the staff. This, however, can hardly be counted on as a permanent arrangement, and the enlargement of clinical instruction in our wards will probably come up again for a more satisfactory settlement. It is unnecessary to dwell upon the sympathy of the Trustees with any movement which promises to enhance the educational service of the Hospital.

At the suggestion of the Medical Staff the Trustees authorized the trial of the Koch treatment of tuberculosis, and suspended their rules against the admission of the diseases to be treated. The fluid from Berlin having arrived at the end of December, the patients to be inoculated with it were immediately admitted, and the first inoculation took place on New Year's Day. It has been gratifying to the Trustees to learn that the members of the Staff who received the earliest supplies of this remedy have shared it, in several cases, with other hospitals. This is the spirit which exalts men and institutions.

The ward for private paying patients has not been as full as could be wished, either for the sake of those for whom it was constructed, or for that of the Hospital. Many sick people in hotels or lodgings, many even in their own homes, would find themselves better off in our comfortable and sunny ward. Of those occupying its rooms in past years a large proportion

have expressed both surprise and gratitude, and we trust it will be more fully known and availed of as a constantly serviceable provision for the community.

The Bradlee ward, the latest addition to our domain, has continued its successful work in brain and abdominal surgery. Operations that would have been deemed homicidal a few years ago, are now performed with entire safety in an operating-room of remarkably antiseptic construction, while the isolation of patients, before and after being operated on, is complete. The number of patients in the ward increases. There were 80 in 1889, and 117 in 1890.

Who will imitate the liberal giver of the Bradlee ward, and provide the Hospital with a ward for contagious diseases? Not for the admission of patients thus afflicted, but for the transfer of patients already admitted for other causes, and attacked by some contagious disease within our wards. Such cases occurring from time to time cannot now be properly isolated. If removed to separate rooms, they must still be close to the rooms adjoining theirs, while their nurses must pass in and out through the corridors. This exposes the whole Hospital to a danger against which it is impossible to guard until we have a ward to which a patient with any contagious disease can be instantly transferred, and where a nurse can change her clothing before re-entering any other Hospital building. The cost of such a ward need not be large. Ten rooms for patients, and two or three more for nurses and their appliances, will be an ample provision for the future. It will be a great relief if this ward can be presently reared by generous hands.

The Convalescent Home has received inmates from other hospitals than ours, the City Hospital, the House of the Good Samaritan, the Home for Incurables, and from the Associated Charities, and the

Children's Mission. This is but carrying out the original purpose of the Home, which was intended to serve the Hospital primarily, but never exclusively, and has always opened its doors to applicants from every quarter. The number of convalescents received during the year was 386 against 431 the year before. There is room enough for many more.

The Superintendent of the Asylum makes a report, hereinafter printed, to which the Trustees have little to add. They are much gratified by several facts of the year. Of 120 patients admitted, 58 were voluntary, and 44 (a large percentage) recovered. The Training School has furnished nurses, not only for Asylum, but for private service, and the men have begun their work in families at a more moderate rate than that demanded by those before them. There has been what may be called a Training School for the Staff in a psychological seminary, meeting one evening a week, and pursuing inquiries based partly upon books, and partly upon clinical experiences, with a view to the knowledge and treatment of all forms of mental disease. The Pathological Laboratory is demonstrating its value by careful experiments, bearing on the physiology and pathology of the nervous system. Fine fields of investigation have been opened, and with the apparatus ordered from abroad, and the books in German and French selected for immediate use, "there are," says our pathologist, "already revealed important and encouraging indications of the value of these studies, as to the application of their results to the practical treatment of insanity."

The Trustees, while fully alive to the importance of occupying the Asylum patients, especially the men, after some definite system, are still unable to report upon one. The Hibbard Occupation Fund is a nucleus of a much larger amount, the income of which

may be employed in providing varied occupations, long talked of, and still greatly desired.

Benjamin L. Gorham, admitted in 1838, died at the Asylum in 1889. He was a youth of great promise, upon which a shadow fell that never could be permanently lifted. In 1890, his administrator presented his books and bookcases to the Asylum, and they have been accepted as the Gorham Library. We are glad to preserve some memorial of a patient, so long under our charge, whom the Trustees knew only as a gentleman of kindly manners.

The various libraries at the Asylum are fairly supplied. So is the professional library at the Hospital. But the Hospital patients' lending library is entirely behind the time, and though slightly replenished not long ago, again requires fresh additions of light literature. Some of our friends may be ready to help the sick to more interesting reading than they now have here.

A new revision of by-laws and rules was adopted by the Trustees in September.

The securities in the Treasurer's keeping have been examined and found correct.

The following gifts have been received during the year.

FOR FREE BED FUNDS.

Elisha T. Loring, bequest	$10,000.00
Ellen M. Gifford, bequest	10,000.00
The same for Asylum	5,000.00
Amelia J. Sargent, bequest	5,000.00
Sarah E. Allen, bequest	5,000.00
William S. Dexter, donation	1,000.00
Jordan, Marsh & Co., donation	1,000.00
M. P. Sawyer, bequest (additional)	184.33
William B. Spooner, bequest	3,000.00

ANNUAL SUBSCRIPTIONS.

Treasurer's Table, No. 8	13,496.00

FOR SAMUEL CABOT FUND.

Samuel Cabot, donation	$1,000.00

FOR PATHOLOGIST'S SALARY.

S. and A. T. Cabot, donation	340.00

FOR PHOTOGRAPHIC STUDIO.

George L. Kingsley, donation	802,82
Total	$55,823.15

There are still other benefactions to be gratefully recorded. The Ladies' Visiting Committee, the Cambridge Flower Mission bringing flowers weekly through the flower season, the Cambridge ladies, coming on Christmas Eve to decorate the wards and cheer the patients with gifts, the choir from Cambridge singing on Sunday afternoons, about once a month throughout the year, all these are givers of a personal service which cannot be over-estimated. It is in many cases a healing of mind and heart.

The actual needs of the Hospital, already touched upon in part, are

1. An increase of free beds.

2. A ward for contagious diseases.

3. An addition to the Out-Patient department, particularly on the surgical side, now much embarrassed for want of room.

4. A house for the Resident Physician and his family. This is not only for their sake, though no better motive need be sought, but that the rooms now occupied by them may be free for administrative and other uses long since urgent.

5. A large subscription, or a very large donation, for rebuilding the McLean Asylum on its beautiful estate at Waverly, where the charms of Nature and retirement will hasten recovery or soothe a hopeless malady. We have the beginning of a fund for building, but several hundred thousand dollars are

still to be obtained before the long-planned enterprise can be accomplished. Twenty years have passed since the necessity of removing the Asylum was recognized by the Trustees, and the first steps towards it were taken. The Waverly purchase was made five years later, in the hope that it might soon be occupied and enjoyed by our patients. It has been walled and graded, avenues have been opened, and all the preparations for building have been begun. It may now be thought wise to build what we can, and to provide for our convalescents of the McLean department as we have already done for those of the Hospital. Other houses may follow, some perhaps to bear a name as a memorial of those who give the means of raising them, or of those for whose sake the means are given. At all events, while public asylums have been reared, and private ones multiplied around us, the time has fully come when the true interest of this community, not Boston only, but all Massachusetts, demands that the McLean department of the Massachusetts General Hospital shall be enabled to fulfil its own mission to its own classes of sufferers.

For the Trustees,

SAMUEL ELIOT,

FREDERICK L. AMES.

REPORT OF THE TREASURER.

In accordance with the Fifth Article of the By-Laws, the report of the accounts of the Massachusetts General Hospital, made up to the last day of December, 1890, is respectfully submitted to be laid before the Corporation at its annual meeting.

Dr. FRANKLIN HAVEN, Jr., *Treasurer, in account with the* MASSACHUSETTS GENERAL HOSPITAL. *Cr.*

To Balance Cash on hand, Dec. 31, 1888	$32,834.65	By Cash paid Insurance	$2,007.54
,, Railroad Bonds sold	44,555.00	,, ,, ,, Annuitants	10,532.97
,, One third profits Mass. Hospital Life Ins. Co.	10,000.00	,, ,, ,, Annual Report, 1888	344.70
,, Donations and legacies	42,327.15	,, ,, ,, Taxes at Belmont	454.50
,, Income from investments	120,368.07	,, ,, ,, Expenses of Hospital	127,727.39
,, Notes Receivable	5,100.00	,, ,, ,, Expenses of Asylum	152,219.98
,, Board of paying patients at Asylum	138,450.00	,, ,, ,, Expenses of Convalescent Home	10,263.22
,, Board of paying patients at Hospital	29,437.99	,, ,, ,, Investments in real estate	130,360.15
,, Board of paying patients at Convalescent Home	2,096.50	,, ,, ,, Library	300.23
,, Subscribers for Free Beds ($6,500 received for this purpose in 1889)	6,996.00	,, ,, ,, Wooden legs	187.50
,, Subscribers for Free Beds for 1891 in advance	5,800.00	,, ,, ,, Photographic Studio	802.82
,, Premiums on bonds sold	10,206.63	,, ,, ,, Dr. Cowles	309.28
,, Dr. J. W. Pratt	2,078.54	,, ,, ,, Del. Mutual Ins. Co. Stock	30.00
		,, Balance Cash on hand, Dec. 31, 1889	14,710.25
	$450,250.53		$450,250.53

The expense of carrying on the business of the Corporation for the year 1890 has been $290,210.59:–

On account of Hospital	$127,727.39	
,, ,, ,, McLean Asylum, ...	152,219.98	
,, ,, ,, Convalescent Home, ...	10,263.22	
		$290,210.59

These expenses have been met from

Amount charged to patients, ...	$169,984.49	
Income from various funds applicable. . . .	102,948.88	
Subscriptions for Free Beds for 1889, . . .	13,496.00	
Deficit drawn from the General fund. . . .	3,781.22	
		$290,210.59

The expenses at the Hospital have exceeded the receipts $1,199.32; the receipts at the Convalescent Home have exceeded the expenses $162.48; and the expenses at the McLean Asylum have exceeded the receipts $2,744.38, making a net deficit of $3,781.22.

TABLE No. 1.

HOSPITAL DEPARTMENT.

Expenses and receipts for the year 1890:—

Expenses at the Hospital (see Table 4) . . .		$127,727.39
Receipts.		
Income from Redman Fund (see Table 7) . .	$27,306.78	
,, ,, Free Bed Funds (see Table 7) .	41,904.85	
,, ,, Funds, income unrestricted, (see Table 7)	3,000.00	
,, ,, General Fund (see Table 7) . .	11,382.45	
,, ,, Free Bed Subscriptions (see Table 8)	13,496.00	
Amount charged to patients	29,437.99	
Deficit from General Fund	1,199.32	
		$127,727.39

TABLE No. 2.

McLEAN ASYLUM.

Expenses and receipts for the year 1890:—

Expenses at the Asylum (see Table 5) . . .		$152,219.98
Receipts.		
Income from Funds for Beneficiaries . . .	$5,325.60	
,, ,, ,, ,, Female Beneficiaries .	5,100.00	
,, ,, Amusement Fund	600.00	
Amount charged to patients	138,450.00	
		$149,475.60
Balance of expenses over receipts charged to the General Fund		$2,744.38

TABLE No. 3.

CONVALESCENT HOME.

Expenses and receipts for the year 1890:—

Expenses at Convalescent Home (see Table 6)		$10,263.22
Receipts.		
Income from Convalescent Home Fund . .	$8,329.20	
Amount charged to patients	2,096.50	
		$10,425.70
Balance of Receipts over Expenses credited to the General Fund		$162.48

TABLE No. 4.

Expenses of the Hospital Department:—

For Stores	$44,424.16	
Gas and Oil	228.43	
Water and Ice	3,183.76	
Wages	35,934.79	
Medicine	4,552.57	
Furniture	9,019.30	
Surgical Instruments	3,828.40	
Stationery	1,013.64	
Wines and Liquors	2,587.64	
Salaries	4,350.00	
One half General Expenses	1,028.75	
Fuel	11,430.69	
Contingencies	1,835.59	
Repairs	4,309.67	
		$127,727.39

These expenditures have been for account of: —

2,546 Free Patients for 9,048 weeks	$112.249.71	
835 Other Patients for 1,248 weeks	15,477.68	
		$127,727.39
The average number of patients in 1889 . .	207	
The average number of patients in 1890 . .	198	
The average cost per week in 1889	$13.64	
The average cost per week in 1890	12.41	
The total expenses in 1889	146,829.27	
The total expenses in 1890	127,727.39	
The amount paid for account of free patients		112,249.71
The amount received for them has been: —		
From Income of Free Bed Funds . . .	41,904.85	
From Subscribers for this object . . .	13,496.00	
		$55,400.85

The deficiency has been drawn in part from the income of various funds applicable to the purpose, and the remainder from the General Fund.

TABLE No. 5.

EXPENSES OF THE ASYLUM DEPARTMENT.

For Stores	$44,592 01	
Laundry	9,860.59	
Fuel	6,361.85	
Stationery	448.12	
Medicines and Liquors	2,268.15	
Contingencies	3,051.93	
Furniture	7,933.56	
Repairs	16,679.21	
Diversions	1,468.75	
Belmont Improvements	814.96	
Water and Ice	3,816.60	
Lights	5,904.69	
Wages	30,649.47	
Salaries	10,353.57	
One half General Expenses	1,028.75	
Library	600.00	
Stables	4,742.98	
Garden	3,168.99	
Carriages	246.00	
		$152,990.18
Less Cr. Clothing, $178,22; Farm, $591.98,		770.20
		$152,219.98

These expenditures have been for account of : —

Patients paying cost and more,		$36,857.45
Patients paying less than cost.		115,362.53
		$152,219.98
The average number of patients in 1889	168	
The average number of patients in 1890	173	
The average cost per week in 1889	$16.51	
The average cost per week in 1890	16.83	
The total expenses in 1889		$146,574.09
The total expenses in 1890		152,219.98
The amount expended at the Asylum for patients who have paid less than cost has been		$115,362.53
The amount received has been : —		
From patients, 6,784 weeks' board at less than cost	$67,911,75	
Income of Funds for Beneficiaries	5,325.60	
Income of Funds for Female Beneficiaries,	5,100.00	
Income of Amusement Fund	600.00	
		78,937.35
		$36,425.18

The deficiency has been partly met by patients paying more than cost, and the balance, $2,744.38, drawn from the General Fund.

TABLE No. 6.

EXPENSES OF THE CONVALESCENT HOME.

For Stores		$4,983.40
Gas and Oil		53.03
Furniture		237.07
Wages		2,998.03
Fuel		586.07
Ice		256.70
Repairs		370.00
Contingencies,		625,96
Surgical Instruments		56.50
Medicines		94.31
Wines and Liquors		2.15
		$10.263.22
Whole number of patients admitted during the year, males	195	
Whole number of patients admitted during the year, females	172	
	367	
Number of patients Jan. 1, 1890	19	
		386

Whole number discharged during the year		368
Remaining, Jan. 1, 1891, males	12	
Remaining, Jan. 1, 1891, females	6	18
		386

TABLE No. 7.

INCOME FROM INVESTMENTS.

From Annuities Receivable	$ 6,400.00
City and Town Bonds	910.00
Mass. Hospital Life Ins. Co. Stock	5,000.00
Railroad Bonds	31,103.61
Manufacturing Stock	3,684.00
Bank Stocks	5,326.13
Real Estate, Productive,	61,166.68
Notes Receivable	4,654.36
Railroad Stocks	1,940.00
Del. Mut, Ins. Co.	31.20
	$120,215.98

Which has been distributed as follows:—

To G. H. Gay Fund		412.80
Redman Fund		27,306.78
Warren Prize Fund		214.80
Bowditch History Fund		120.00
Wooden Leg Fund		306.00
Redman Annuities		652.83
Clara Barton Annuity		194.46
Surgical Instrument Fund		88.50
Amusement Fund		600.00
Free Bed Funds { for use	$41,752.76	42,252.76
Free Bed Funds { for Joy Annuitants	500.00	
Beneficiaries at Asylum Funds		5,325.60
Warren Library Fund		60.00
One half Lincoln Fund,—Female Beneficiaries		5,100.00
Funds with Income Unrestricted		3,000.00
General Fund		11,382.45
Convalescent Home Fund		8,329.20
Asylum Building Fund		12,634.80
Whittemore Fund		1,500.00
Urbino Fund		300.00
Treadwell Library Fund		300.00
Samuel Cabot Fund		75.00
Hibbard Fund		60.00
		$120,215.98

The Income for 1888 was	$115,861.58
The Income for 1889 was	119,392.99
The Income for 1890 has been	120,215.98

TABLE No. 8.

SUBSCRIBERS FOR FREE BEDS FOR 1890.

American Bell Telephone Co.	$196	George Higginson	$100
Oliver Ames & Sons' Corporation	100	Miss E. Hooper	100
C. W. Amory	100	E. W. Hooper	100
D. H. Andrews	100	George D. Howe	100
Boston & Albany R. R. Co.	500	Francis W. Hunnewell	100
Boston & Lowell R. R. Co.	300	Samuel Johnson	100
Boston & Maine R. R. Co.	500	David P. Kimball	100
Boston & Providence R. R. Co.	100	L. C. Kimball	100
Boston Firemen's Relief Fund	200	Amory A. Lawrence	100
Mrs. E. B. Bowditch	200	Mrs. Amos A. Lawrence	100
J. L. Bremer	100	Mrs. Anna C. Lodge	100
Richard Briggs	100	Thornton K. Lothrop	100
Martin Brimmer	100	Mrs. Thornton K. Lothrop	100
P. C. Brooks	100	Theodore Lyman	100
Shepherd Brooks	100	Thomas Mack	100
William S. Bullard	100	Miss Ida M. Mason	100
Mrs. Laura M. Case	100	W. Powell Mason	100
J. Randolph Coolidge	100	Mass. Humane Society	200
J. T. Coolidge, Jr.	100	Mrs. Caroline Merriam	100
T. Jefferson Coolidge	100	Charles Merriam	100
T. Jefferson Coolidge, Jr.	100	Miss M. C. Mixter	100
Mrs. Arthur Croft	100	C. J. Morrill	100
Charles P. Curtis	100	N.Y. & N. E. R. R. Co. (2 yrs.)	1000
Mrs. J. G. Cushing	100	Old Colony R. R. Co.	500
F. Gordon Dexter	100	F. H. Peabody	100
George Dexter	300	Frank E. Peabody	100
Mrs. C. H. Dalton	100	W. D. Pickman	100
C. H. Dalton	100	John C. Ropes	100
Edmund Dwight	100	Mrs. B. S. Rotch	100
Samuel Eliot	100	Henry Saltonstall	100
William Endicott, Jr.	100	F. R. Sears	100
Employers' Liability Assurance Corporation, Limited	100	J. M. Sears	100
Mrs. Elizabeth E. Fay	100	Mrs. G. H. Shaw	100
Henry H. Fay	100	Henry S. Shaw	100
Joseph S. Fay	100	J. P. Squire & Co.	200
Joseph S. Fay, Jr.	200	Bayard Thayer	100
Fitchburg R. R. Co.	500	Nathaniel Thayer	200
John Foster	100	George W. Wales	100
George A. Gardner	100	Mrs. Charles E. Ware	100
John L. Gardner	200	Otis E. Weld	100
Joseph B. Glover	100	West End Street Railway Co.	500
Miss Eliza Goodwin	100	Miss Anne Wigglesworth	200
Dr. R. C. Greenleaf	100	R. C. Winthrop, Jr.	100
W. O. Grover	100	Mrs. Thomas Lindall Winthrop	100
F. Haven, Jr.	100	J. Huntington Wolcott	100
F. L. Higginson	100	Mrs. J. Huntington Wolcott	100
		Henry Woods	100
			$13,496

Total Free Bed Subscriptions in 1889	$11,850

TABLE No. 9. — LIBRARY FUNDS.

TREADWELL LIBRARY FUND.

Balance, Dec. 31, 1889. —		
Principal		$5,000.00
Income	$32.71	
1890 Income received	300.00	
	$332.71	
Income expended	300.23	
	$32.48	
Balance, Dec. 31, 1890: —		
Principal		5,000.00
Income	$32.48	

WARREN LIBRARY FUND.

Balance, Dec. 31, 1889: —		
Principal		$1,000.00
Income	$759.62	
1890 Income received	60.00	
	$819.62	
Balance, Dec. 31, 1890: —		
Principal		1,000.00
Income	$819.62	

TABLE No. 10.

WOODEN LEG FUND.

Balance, Dec. 31, 1889: —		
Principal		$5,100.00
Income	$198.19	
1890 Income received	306.00	
	$504.19	
Income expended	187.50	
	$316.69	
Balance, Dec. 31, 1890: —		
Principal		5,100.00
Income	$316.69	

TABLE No. 11.

BOWDITCH HISTORY FUND.

Balance, Dec. 31, 1889: —		
Principal		$2,000.00
Income	$280.45	
1890 Income received	120.00	
	$400.45	
Income expended	344.70	
	$55.75	
Balance, Dec. 31, 1890: —		
Principal		2,000.00
Income	$55.75	

TABLE No. 12.

GENERAL FUND.

Balance, Dec. 31, 1889	$1,112,312.09	
Add one-third profits of Mass. Hospital Life Ins. Co.	10,000.00	
Add premiums on bonds sold	10,206.63	
		$1,132,518.72
Less balance of Insurance Account	2,007.54	
Less balance of expenses over Income	3,781.32	
Balance, Dec. 31, 1890	1,126,729.86	
		1,132,518.72

TABLE No. 13.

RESTRICTED FUNDS.

Income devoted to Free Beds:—

The Joy Fund, being a bequest from Miss Nabby Joy	$20,000.00
Belknap Fund, being a bequest from Jeremiah Belknap	10,000.00
Wm. Phillips Fund, being a bequest from Wm. Phillips	5,000.00
Williams Fund, being a bequest from John D. Williams, of estate No. 17 Blackstone Street	19,600.00
Bromfield Fund, being half of a bequest from John Bromfield	20,000.00
Miss Townsend Fund, being a donation from the executors of the will of Miss Mary P. Townsend	11,486.50
Brimmer Fund, being a bequest from Miss Mary Ann Brimmer	5,000.00
Wilder Fund, being a bequest from Charles W. Wilder	12,000.00
Sever Fund, being a bequest from Miss Martha Sever	500.00
Thompson Fund, being a bequest from S. B. Thompson	500.00
Tucker Fund, being a bequest from Miss Margaret Tucker	3,312.37
Davis Fund, being a request from Mrs. Eleanor Davis	900.00
Loring Fund, being a bequest from Abigail Loring	5,000.00
Nichols Fund, being a bequest from B. R. Nichols	6,000.00
Gray Fund, being a donation from John C. Gray	1,000.00

Dowse Fund, being a bequest from Thomas Dowse	$5,000.00
Todd Fund, being a bequest from Henry Todd	5,000.00
J. Phillips Fund, being a bequest from Jonathan Phillips	10,000.00
Greene Fund, being a bequest from Benj. D. Greene	5,000.00
Percival Fund, being a bequest from John Percival	950.00
Pickens Fund, being a bequest from John Pickens	1,676.75
Treadwell Fund, being part of a bequest from J. G. Treadwell	38,703.91
Raymond Fund, being a bequest from E. A. Raymond	2,820.00
Harris Fund, being part of a bequest from Charles Harris	1,000.00
Mason Fund, being a bequest from Wm. P. Mason.	9,400.00
Sawyer Fund, being part of a bequest from M. P. Sawyer	7,000.00
J. L. Gardner Fund, being a donation from J. L. Gardner	20,000.00
B. T. Reed Fund, being a donation from Benj. T. Reed	1,000.00
Wm. Reed Fund, being a bequest from Wm. Reed	5,233.92
McGregor Fund, being half of a donation and bequest from James McGregor,	7,500.00
Miss Rice Fund, being a bequest from Miss Arabella Rice	5,000.00
Templeton Fund, being half of a bequest from John Templeton	5,000.00
Mrs. J. H. Rogers Fund, being a donation from J. H. Rogers	1,177.50
Beebe Fund, being a bequest from J. M. Beebe	50,000.00
Lincoln Fund, being half of a bequest from Mrs. F. W. Lincoln	85,000.00
Blanchard Fund, being a bequest from Mrs. M. B. Blanchard	4,000.00
George Gardner Fund, being a donation from George Gardner	1,000.00
Hemenway Fund, being a donation from the Executors of the will of Augustus Hemenway	20,000.00
Jessup Fund, being part of a bequest from Dr. Chas. A. Jessup	1,000.00
Tufts Fund, being a bequest from Quincy Tufts	10,000,00

Read Fund, being half of a bequest from Jas. Read	$1,000.00
Parker Fund, being a bequest from Jno. Parker, Jr.	10,000.00
Miss Shaw Fund, being a donation and bequest from Miss M. Louisa Shaw	5,500.00
Eliza Perkins Fund, being a donation from Mrs. H. B. Rogers	1,000.00
Dwight Fund, being a donation from Mrs. T. Bradford Dwight	1,000.00
Hunnewell Fund, being a donation from H. H. Hunnewell	10,000.00
R. M. Mason Fund, being a bequest from R. M. Mason	5,000.00
Hannah Lowell Cabot Fund, being a donation from Dr. Samuel Cabot	1,000.00
Welles Fund, being a donation from Miss Jane Welles	5,000.00
Black Fund, being a bequest from Miss Marianna Black	2,000.00
Eben Wright Fund, being an assignment of legacies by the children of T. Jefferson Coolidge	14,000.00
Paraclete Holmes Fund, being a donation from W. S. Adams	2,000.00
Estabrooks Fund, being a bequest from J. W. Estabrooks	1,000.00
Thayer Fund, being a bequest from Nathaniel Thayer	30,000.00
Sawyer Fund, being part of a bequest from M. P. Sawyer	66,684.14
Ann E. Gray Fund, being a bequest from Miss Ann E. Gray	5,000.00
John Bertram Fund, being a donation from Mrs. Clara Bertram Kimball	5,000.00
Hannah C. Leland Fund, being a bequest from Mrs. Hannah C. Leland	15,000.00
Esther E. Beebe Fund, being a bequest from Mrs. Esther E. Beebe	2,000.00
Ella F. Roehl Fund, being part of a bequest from Ella F. Roehl	8,085.02
Two subscriptions from Friends, $100 each	200.00
Henry B. Rogers Fund, being a bequest from Henry B. Rogers	10,000.00
John H. Eastburn Fund, being a bequest from John H. Eastburn	10,000.00
Mrs. Susan F. Eastburn Fund, being a bequest from Mrs. Susan F. Eastburn	1,000.00

William B. Craft Fund, being a bequest from William B. Craft	$5,000.00	
Emily W. Appleton Fund, being a donation from Mrs. Emily W. Appleton	1,000.00	
Charles R. Hayden Fund, being a donation from Mrs. Annie Ruth Hayden,	2,000.00	
Spaulding Fund, being a donation of Mahlon D. and John P. Spaulding	10,000.00	
Shattuck Fund, being a donation of Mrs. George C. Shattuck	500.00	
Joel Spalding Fund, being a donation of Miss Sarah R. Spalding	3,000.00	
McGregor Fund, being a bequest of Mrs. James McGregor	1,000.00	
Bartlett Fund, being a bequest of Sidney Bartlett	10,000.00	
Jas. B. and Mary Dow Fund, being gift of Mary Dow, under the will of James B. Dow	5,000.00	
Elisha T. Loring Fund, being a bequest of Elisha T. Loring	10,000.00	
Ellen M. Gifford Fund, being part of a bequest of Ellen M. Gifford	10,000.00	
Turner Sargent Bed Fund, being a bequest of Amelia Jackson Sargent	5,000.00	
Sarah E. Allen Fund, being a bequest of Sarah E. Allen	5,000.00	
Wm. S. Dexter Fund, being a donation of Wm. S. Dexter	1,000.00	
Wm. B. Spooner Fund, being a bequest of Wm. B. Spooner	3,000.00	
		$705,730.11

Income devoted to Beneficiaries at Asylum:—

Bromfield Fund, being half of a bequest from John Bromfield	$20,000.00	
Read Fund, being half of a bequest from Jas. Read	1,000.00	
Appleton Fund, $10,010 being a bequest from Samuel Appleton, $20,000 being a donation from Wm. Appleton	30,010.00	
McGregor Fund, being half of a donation and bequest from James McGregor	7,500.00	
Amount carried forward	$58,510.00	$705,730.11

Amount brought forward	$58,510.00	$705,730.11
Austin Fund, being part of a bequest from Mrs. Agnes Austin	5,000.00	
Kittredge Fund, being a bequest from Rufus Kittredge	5,500.00	
Templeton Fund, being half of a bequest from John Templeton . . .	5,000.00	
Proctor Fund, being a bequest from Mrs. Lydia P. Proctor	1,000.00	
Higginson Fund, being a bequest from George Higginson	10,000.00	
Ellen M. Gifford Fund, being part of a bequest from Ellen M. Gifford . .	5,000.00	
		90,010.00
Income devoted to Female Beneficiaries at Asylum: —		
Lincoln Fund, being half of a bequest from Mrs. F. W. Lincoln		85,000.00
Income unrestricted: —		
Waldo Fund, being a bequest from Daniel Waldo	40,000.00	
Blake Fund, being a bequest from Stanton Blake	10,000.00	
		50,000.00
Income devoted to any purpose except buildings: —		
Redman Fund, being a bequest from John Redman		455,113.34
Income devoted to a Triennial Prize: —		
Warren Prize Fund, being a bequest from Dr. J. M. Warren		3,579.92
Income devoted to the Library:		
Treadwell Library Fund, being part of a bequest from J. G. Treadwell . .		5,000.00
Income devoted to Books for Patients: —		
Warren Library Fund, being a donation from Dr. J. C. Warren		1,000.00

Income and Principal devoted to the publication of a History of the Hospital:—		
Bowditch History Fund, being a bequest from N. I. Bowditch		$2,000.00
Income devoted to Amusements at the Asylum:—		
Amusement Fund, $5,000 being a bequest from Miss Mary Louisa Shaw, $5,000 being a donation from Mrs. Quincy A. Shaw and other Ladies		10,000.00
Income devoted to Special Surgical Instruments:—		
Surgical Instrument Fund, being a donation from Dr. H. J. Bigelow, $1,250; donation of Mr. R. M. Moore, $100; donation of Lydia B. & O. A. Taft, $100; donation of Chas. S. Bixby, $25		1,475.00
Wooden Leg Fund:—		
Being a bequest from N. I. Bowditch, $5,000; donation of P. K., $100		5,100.00
Convalescent Home Fund . .	$132,280.66	
Donation from George A. Gardner	5,000.00	
Donation from Miss Mary Russell	40.00	
Bequest of Elizabeth B. I. B. Dixwell	1,000.00	
Donation from Miss Helen C. Bradlee	500.00	
		138,820.66
Permanent Free Beds:—		
Miss Marion Hovey	$1,000.00	
Mrs. Fanny H. Morse	1,000.00	
Amount carried forward	$2,000.00	

Amount brought forward	$2,000.00	
Henry S. Hovey	1,000.00	
Edward Woodman	1,000.00	
Children of Mrs. Henry Winsor	1,000.00	
D. R. Whitney	1,000.00	
George Gardner	1,000.00	
Mrs. Nathaniel Thayer	1,000.00	
Edward F. Deland	1,000.00	
Mrs. Anna I. Phillips	1,000.00	
Miss Helen W. Faulkner	1,000.00	
Jordan, Marsh & Co.	1,000.00	
		12,000.00
Redman Annuities		4,600.00
Clara Barton Annuity		3,241.00
Asylum Building Fund		223,215.28
G. H. Gay Fund		7,292.43
Dr. J. H. Whittemore Memorial Fund		33,720.00
S. R. Urbino Fund		5,000.00
Hibbard Occupation Fund		1,000.00
Samuel Cabot Fund for Pathological Investigation		2,000.00
Add unused income at credit of		
Warren Prize Fund	$504.71	
Warren Library Fund	819.62	
Bowditch History Fund	55.75	
Surgical Instrument Fund	1,728.71	
Wooden Leg Fund	316.69	
Clara Barton Annuity	194.46	
Treadwell Library Fund	32.48	
Hibbard Occupation Fund	140.00	
		3,792.42
Total of Restricted Funds		$1,848,690.16

TRIAL BALANCE, DECEMBER 31, 1890.

	Dr.	*Cr.*
Land and Buildings for Asylum	$320,794.75	
Land and Buildings for Hospital	605,426.54	
Land and Improvements at Belmont	91,111.01	
Annuities Receivable	160,000.00	
Insurance Stock	50,000.00	
Reversions	10.00	
Delaware Mutual Insurance Company's Scrip	550.00	
Manufacturing Companies Stocks	47,400.00	
Bank Stocks	84,200.00	
Railroad Stocks	25,500.00	
Railroad Bonds	533,675.00	
City and Town Bonds	13,000.00	
Notes Receivable	89,000.00	
Real Estate, Productive,	919,466.99	
Edward Cowles, Superintendent	31,346.33	
John W. Pratt, Resident Physician	14.25	
Balance Cash, Dec. 31, 1890	14,710.25	
	$2,986,205.12	
Redman Fund	$455,113.34	
Warren Prize Fund	3,579.92	504.71
Bowditch History Fund	2,000.00	55.75
Wooden Leg Fund	5,100.00	316.69
Clara Barton Annuity	3,241.00	194.46
Surgical Instrument Fund	1,475.00	1,728.71
Amusement Fund	10,000.00	
Free Bed Funds	705,730.11	
Warren Library Funds	1,000.00	819.62
Beneficiaries at Asylum Funds	90,010.00	
Treadwell Library Funds	5,000.00	32.48
Lincoln Fund	85,000.00	
Funds with Income Unrestricted	50,000.00	
Permanent Free Beds Fund	12,000.00	
Asylum Building Fund	223,215.28	
G. H. Gay Fund	6,879.63	412.80
Convalescent Fund	138,820.66	
Dr. J. H. Whittemore Memorial Fund	33,720.00	
S. R. Urbino Fund	5,000.00	
Samuel Cabot Fund	2,000.00	475.00
Hibbard Occupation Fund	1,000.00	140.00
Redman Annuities	4,600.00	
General Fund	1,126,729.96	
Suspense (see "Reversions"),	10.00	
Notes Payable	4,500.00	
Subscribers to Free Beds for 1891	5,800.00	
	$2,981,524.90	$4,680.22
	4,680.22	
	$2,986,205.12	

Property on hand belonging to the Corporation invested as follows: —

INVESTMENTS PRODUCING NO INCOME.

Asylum:	Land and Buildings occupied for Asylum	$320,794.75
	Superintendent's balance	31,346.33
Hospital:	Land and Buildings occupied for Hospital	605,426.54
	Resident Physician's balance	14.25
Convalescent Home:	Land and Buildings at Belmont	91,111.01
	Memorandum of expectancies	10.00
		$1,048,702,88

INVESTMENTS PRODUCING INCOME.

Policies Mass. Hospital Life Ins. Co.	$160,000.00
500 shares Mass. Hospital Life Ins. Co.	50,000.00
$50,000 Eastern Railroad Co.'s 6 per cent. Bonds	50,000.00
$20,000 Kansas City & Cameron Railroad 10 per cent. Bonds	20,000.00
$5,000 Boston & Albany Railroad Co.'s 7 per cent. Bonds	5,000.00
$65,000 Chicago, Bur. & Quincy R. R. 7 per cent. Bonds	65,000.00
$52,000 Chicago, Bur. & Quincy R. R. 5 per cent. Bonds	52,000.00
$10,000 Chicago, Bur. & Quincy R. R. 4 per cent. Bonds	10,000.00
$10,000 Chicago, Bur. & Northern R. R. 6 per cent. Bonds	10,000.00
$228,000 Atch., Topeka & Santa Fé R. R. 4 per cent. Bonds	182,400.00
$100,000 Atch., Top. & Santa Fé R. R. Income 5 per cent. Bonds	455,750.00
$38,000 Bur. & Mo. River in Neb. R. R. Non-ex. 6 per cent. Bonds	38,000.00
$5,000 Bur. & Mo. River in Neb. R. R. 4 per cent.	4,525.00
$7,000 Cedar Rapids & Mo. River R. R. 7 per cent. Bonds	7,000.00
$5,000 Bur., Cedar Rapids & Northern R. R. 7 per cent. Bonds	5,000.00
$3,000 Ft. Scott, So. Eastern & Mem. R. R. 7 per cent. Bonds	3,000.00
$10,000 Fremont, Elkhorn & Mo. Valley R. R. 6 per cent. Bonds	10,000.00
$16,000 Old Colony Steamboat 6 per cent. Bonds	16,000.00
$2,000 City of Providence 5 per cent. Bonds	2,000.00
$6,000 City of Kansas 8 per cent. Bonds	6,000.00
$3,000 City of Charlestown 6 per cent. Bonds	3,000.00
$1,000 City of Lynn 6 per cent. Bonds	1,000.00
$1,000 City of Chelsea 6 per cent. Bonds	1,000.00
Amount carried forward	$756,675.00

	Amount brought forward	$756,675.00
100	Shares Old Colony R. R. Co.,	10,000.00
155	,, Boston & Albany R. R. Co.	15,500.00
14	,, Merrimack Manufacturing Co.	14,000.00
1	Share Appleton ,, ,,	1,000.00
9	Shares Amory ,, ,,	900.00
14	,, Amoskeag ,, ,,	14,000.00
25	,, Great Falls ,, ,,	2,500.00
5	,, Boston ,, ,,	5,000.00
10	,, Stark Mills ,, ,,	10,000.00
100	,, National Union Bank	10,000.00
100	,, Suffolk National Bank	10,000.00
70	,, Tremont ,, ,,	7,000.00
25	,, Old Boston ,, ,,	2,500.00
87	,, State ,, ,,	8,700.00
100	,, Columbian ,, ,,	10,000.00
160	,, Merchants' ,, ,,	16,000.00
50	,, New England National Bank	5,000.00
100	,, Massachusetts ,, ,,	10,000.00
50	,, Eagle ,, ,,	5,000.00
Land and Store, 17 Blackstone Street		19,600.00
,, ,, ,, 168 Blackstone Street		45,000.00
,, ,, House, 61 Dartmouth Street		10,000.00
Redman Estate, Washington Street		106,000.00
Building on Floral Place		46,794.41
Land and Stores, 496 to 500 Washington Street		147,719.30
Land and Houses on Warrenton Street		26,700.00
,, ,, ,, ,, Chambers Street		23,900.00
,, ,, ,, ,, Cross Street		9,191.64
,, ,, House ,, Poplar Place		2,500.00
Union Block, Union and Marshall Streets		66,875.00
Robertson House, Hanover Street		40,125.00
Real Estate, Fruit Street and vicinity		99,201.49
Land and Buildings on Washington and Kneeland Streets		150,000.00
Land and Buildings 273 and 275 Washington Street		125,860.15
Notes secured by Mortgage		89,000.00
Delaware Mutual Ins. Co. Scrip		550.00
Cash		14,710.25
	Investments producing income	$1,937,502.24
	Investments producing no income	1,048,702.88
Total, foot of trial Balance		$2,986,205.12

F. HAVEN, Jr., *Treasurer.*

TABLE OF THE EXPENSES OF THE HOSPITAL AND ASYLUM FOR TWENTY-NINE YEARS, 1862 TO 1890.

ORDINARY EXPENSES.

Year.	Cost of Paying Patients.	Cost of Free Patients.	Other Charities.	Total Expenses of		Average cost per week per patient.		Cost over Board.	
	Hospital.	Hospital.	Hospital.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.
1862	$6,628.65	$35,072.01	$414.15	$42,114.81	$71,823.46	$6.04	$7.27	$36,260.92	$6,640.81
1863	6,151.27	40,575.14	695.30	47,421.71	69,300.63	6.66	6.98	41,109.46	2,170.56
1864	10,224.81	49,286.53	648.21	60,159.55	101,484 38	8.38	9.76	52,445.01	4,523.85
1865	23,119.62	34,131.83	717.35	57,968.80	120,885.84	9.86	12.49	43,121.53	9,507.86
1866	30,086.08	37,538.12	1,162.60	68,786.80	126,015.83	13.88	12.30	53,809.36	558.19
1867	26,086 67	33,758.02	1,164.53	61,009.22	133,844.14	11.28	13.84	44,291.54	
1868	23,663.50	42,481.71	1,419.26	67,564 47	142,535.36	12.74	16.51	52,893.02	14,642.07
1869	20,128.86	40,736.44	1,373.30	62,238.60	138,132.02	10.14	14.21	48,811.90	
1870	15,844.35	46,087.42	883.05	62,814.82	134,339.63	10.05	13.83	50,811.01	
1871	15,266.51	47,126.12	1,133.74	63,526.37	146,191.23	9.96	15.80	52,447.68	9,996.88
1872	12,664.70	56,537.74	1,497.86	70,700.30	153,327.60	10.10	16.93	59,547.91	14,917.57
1873	16,681.66	69,109,97	2,135.29	87,926.92	165,023.79	10.29	19.23	72,435.94	26,404.27
1874	14,198.41	64,266.27	2,634.60	81,099.28	161,934.11	10.13	19.59	67,548.81	2,750.66
1875	10,677.72	71,447.23	1,761.59	83,886.54	165,660.47	9.72	21.07	71,989.93	11,872.47
1876	11,344.58	82,033.60	1,312.94	94,691.12	164,973.80	9.41	19.72	82,027.86	13,019.51
1877	10,833.10	72,678.63	279.16	83,790.89	143,148.94	9.47	15.66	72,957.79	
1878	11,252.42	85,102.61	588.98	96,944.01	136,394.36	9.87	15.55	83,516.61	
1879	11,564.44	77,216.88	514.25	89,295.57	117,250.02	10.54	14.30	73,440.58	
1880	10,529.35	81,085.73	462.82	92,077.90	131,172.69	10.39	16.48	79,280.61	10,078.33
1881	13,462.12	88,241.17	450.51	102,153.80	134,561.14	11.87	16.92	88,268.68	20,719.30
1882	12,947.98	95,642.45	8,928.82*	117,519.25	138,518.26	12.43	17.02	95,684.95	18,172.21
1883	18,389.28	90,665.70	6,575.92*	115,630.90	139,711.39	12.63	16.16	91,213.57	5,376.89
1884	21,476.00	101,954.31	6,873.69*	130,304 00	139,201,67	14.75	16.00	107,974.18	2,612.02
1885	10,728.87	93,411.59	8,483.90*	112,624.36	140,278.86	11.99	15.72	87,464.96	
1886	13,423.09	99,054.20	10,831.84*	123,309.13	144,374.33	12.50	15.94	96,986.71	5,805.42
1887	15,337.90	105,543.61	9,856.94*	130,738 45	139,497.70	12.56	16.35	105,012.17	15,049.93
1888	15,594.88	119,634.59	10,785.86*	146,015.33	139,178 98	13.47	15.98	112,220.05	7,788.28
1889	15,612.47	131,216.80	10,737.64*	146,829.27	146,574.09	13.64	16.51	122,005.14	10,255.79
1890	15,477.68	112,240.71	10,263.22*	127,727.39	152,219.98	12.41	16.83	98,289.40	13,769.98
29 years								$2,143,867.28	$226,632.85

*Including Convalescent Home.

Annual Report of the Resident Physician.

TABLE No. 1.

Number of Patients in the Hospital January 1, 1891.

Paying	18
Free	173
Total	191

Admitted from January 1, 1890, to January 1, 1891.

	Males.	*Females.*	*Total.*
Patients paying board	366	215	581
Patients paying board part of the time	148	106	254
Patients entirely free	1,502	1,044	2,546
	2,016	1,365	3,381

Medical	1,334
Surgical	2,047

Of these, 6 paid $70; 56 paid $50; 15 paid $35; 10 paid $25; 94 paid $21; 2 paid $20; 8 paid $15; 69 paid $14; 1 paid $12.50; 237 paid $10.50; 175 paid $10; 118 paid $7; 35 paid $6; 9 paid $4.

Whole number of patients treated during the year: paying, 599; paying part of the time, 254; free, 2,719 total, 3,572.

Discharged during the Year.

	Medical.	*Surgical.*	*Male.*	*Female.*	*Total.*
Well	523	1,357	1,138	742	1,880
Much relieved	196	177	205	168	373
Relieved	179	322	287	214	501
Not relieved	54	47	54	47	101
Not treated	72	169	120	121	241
Dead	121	157	211	67	278
Insane and eloped	4	17	16	5	21
	1,149	2,246	2,031	1,364	3,395

Number of Patients remaining December 31, 1890.

Males	112
Females	79
Total	191
Paying	18
Free	173
Total	191
Medical	73
Surgical	118
Total	191

Proportion of deaths to whole number of results, 8.18 per cent.

Number of patients received on account of accidents, 601.

The greatest number of paying patients at any one time was 37; in private rooms, 8; the greatest number of free patients, 200; the greatest total, 225. The least number of paying patients at any one time was 14; in private rooms, 1; the least free, 144; the least total, 158.

The proportion of ward beds occupied by free patients was 77 per cent.; by paying patients, 23 per cent.

About 10.06 of the paying patients occupied private rooms. The average number of patients was 198: males, 114; females, 84.

The average number of paying patients was 24: Americans, 19; foreigners, 5.

The average number in private rooms was 5½.

The average number of free patients was 174: Americans, 80; foreigners, 94.

The average time of paying patients was 2.14 weeks; and that of free patients, 3.55.

TABLE No. 2.

Residences.

Boston	1,032
Massachusetts (excepting Boston)	1,913
Maine	88
New Hampshire and Vermont	126
Rhode Island and Connecticut	34
Other States	61
British Provinces	78
	3,381

TABLE No. 3.

Birthplaces.

Boston	164
Massachusetts (excepting Boston)	991
Maine	202
New Hampshire	136
Vermont	61
Rhode Island and Connecticut	65
New York	58
Southern and Western States	98
Total Americans	1,775
British Provinces	411
Great Britain	208
Ireland	722
Germany	62
Norway and Sweden	61
France	14
Switzerland	9
Italy	26
Other places	93
Total foreigners	1,606

TABLE No. 4.

Occupations.

Males.	*Paying.*	*Free.*	*Partial.*
Minors	24	149	15
Mechanics	40	348	43
Laborers	12	373	16
Farmers	22	79	10
Seamen	20	62	4
Clerks	47	110	10
Teamsters	18	57	17
Traders	34	90	12
Servants	7	55	1
Lawyers	21	5	
Clergymen	5	3	
Physicians	11	11	
Merchants	38	67	
Students	22	20	
Other professions	45	73	20
	366	1,629	148

Total males, 2,016. Of these, 60 were in private rooms.

Occupations.

Females.	*Paying.*	*Free.*	*Partial.*
Minors	7	87	3
Domestics	14	348	9
Wives	131	317	64
Widows	15	62	14
Seamstresses	2	33	
Spinsters	7	18	2
Operatives	3	41	
Teachers	1	14	
Clerks	11	44	
Nurses	1	16	
Other professions	23	64	14
	215	1,044	106

Total females, 1,365. Of these, 24 were in private rooms.

13 per cent. of the free patients were female domestics; 14 per cent. were laborers; 13 per cent. were mechanics; and eight per cent. were minors.

TABLE No. 5.

Admissions Refused.

Phthisis (Consumption)	32
Chronic Ulcers	7
Scrofula and Abscesses	17
Hip and Spine	7
Debility and Senility	18
Paralysis	21
Epilepsy	11
Skin	13
Other diseases	48
Total	174

Males	95
Females	79
Americans	106
Foreigners	68
Residents of Boston	56
Residents of Massachusetts	71
Residents of other places	47

TABLE No. 6.

Out-patients.

Number of new patients	22,545
Men	10,169
Women	8,550
Children	3,826
Americans	11,845
Foreigners	10,700
Residents of Boston	11,992
Of other places	10,553
Medical department for women	4,224
Medical department for men and children	4,483
Surgical department	7,800
Ophthalmic department	867
Department for diseases of skin	2,318
Department for diseases of nervous system	922
Department for diseases of the throat	1,931

Total attendance, 57,019.
Average daily attendance, 182.

Number of applicants	17,506
Number admitted	16,122
Number refused	226
Number sent to physician's offices	1,158
Number visited	1,097
Number visited, correct statement	603
Number visited, incorrect statement	494

TABLE No. 7.

Convalescent Home.

Admitted in 1883	101
Admitted in 1884	187
Admitted in 1885	315
Admitted in 1886	295
Admitted in 1887	308
Admitted in 1888	397
Admitted in 1889	431

	Males.	*Females.*	*Total.*
Remaining Jan. 1, 1890	16	3	19
Admitted during 1890	195	172	367
Total	211	175	386
Discharged	199	169	368
Remaining Jan. 1, 1891	12	6	18

TABLE No. 8.

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS AT THE MASSACHUSETTS GENERAL HOSPITAL, FROM SEPTEMBER 3, 1821, TO DECEMBER 31, 1890.

YEAR.	Total admitted.	Free.	Paying board all the time.	Paying part of the time.	Whole number treated.			Discharged well.	Percentage on "Total admitted."	Much relieved, or relieved in part.	Not relieved.	Not treated, unfit, dismissed, etc.	Deaths.	Percentage on "Total admitted."	Greatest number free at one time.	Greatest number paying at one time.	Greatest total.	Least total.	Average.	Accidents.	Average time of paying weeks.	Average time of free weeks.	Patients remaining under treatment Dec. 31.		Out-patients treated.
					Paying board.	Paying board part of time.	Free.																Paying.	Free.	
From 1821 to 1865	29625	17484	10446	1695				14671	49	8291	2276	1331	2729	10			117	99	116	3416	3.5	6.46			35959
1865	1199	564	567	68	592	68	687	702	59	295	68	74	104	8¼	137	72	164	88	113	140	3.67	4.85	45	59	5356
1866	1120	497	578	45	693	45	556	677	60	82	50	74	96	8½	62	58	109	78	95	132	3.40	5.10	45	50	5608
1867	1206	626	556	24	601	24	676	676	56	282	62	141	94	7.8	77	62	126	72	104	113	3.37	4.26	39	69	4553
1868	1265	771	463	31	302	31	840	757	60	258	64	82	85	7	97	56	132	69	102	98	3.00	3.50	31	96	5264
1869	1390	834	532	24	563	24	930	771	55½	352	78	84	107	7.7	98	55	139	90	118	93	3.40	4.30	25	100	6953
1870	1302	858	414	30	439	30	958	780	60	303	65	68	85	6.45	106	45	137	98	120	140	3.37	4.82	24	86	8767
1871	1427	970	432	25	456	25	1056	821	57½	322	58	73	109	7.64	126	43	154	91	122	178	3.12	3.92	28	126	9792
1872	1547	1163	368	16	396	16	1289	958	62	313	76	84	120	7.75	133	42	160	97	135	259	3.15	4.35	30	120	11878
1873	1550	1075	411	64	441	64	1195	880	57	321	66	86	186	12	156	44	187	129	156	291	3.28	6.09	35	126	13517
1874	1639	1125	394	120	429	120	1251	946	57½	396	81	102	127	7.69	146	41	183	111	149	234	2.73	5.64	28	120	15612
1875	1841	1445	308	88	336	88	1565	1032	56	380	78	120	189	10.27	176	31	199	132	166	285	2.82	5.18	26	164	16993
1876	1906	1532	282	92	308	92	1696	1019	53½	502	91	144	150	7.86	182	36	210	163	185	245	3.22	5.73	19	171	17292
1877	1657	1270	339	48	358	42	1441	930	50	409	92	130	130	7.68	178	33	194	135	164	147	2.84	5.54	11	145	18004
1878	1794	1433	323	38	334	38	1578	956	50	505	59	138	134	7.46	170	34	187	132	165	200	2.80	5.27	17	141	18744
1879	1813	1436	335	42	352	42	1577	1040	57	422	84	125	143	7.94	165	30	188	131	163	222	2.84	5.16	17	140	18960
1880	2123	1724	354	45	371	45	1864	1186	54	545	74	150	151	7.16	165	35	188	156	170	351	2.58	4.53	17	157	20566
1881	2106	1678	402	26	419	26	1835	1324	62	429	70	103	189	8.96	168	39	195	139	166	391	2 79	4.41	15	140	18443
1882	2147	1736	399	12	414	12	1876	1312	61	463	59	13	177	8.13	167	35	195	143	168	348	2.84	4.41	24	141	16304
1883	2020	1492	449	79	473	79	1633	1286	63	378	61	108	181	8.93	168	49	189	143	168	432	2.75	4.80	32	128	7102*
1884	2096	1667	382	47	448	47	1815	1318	62	367	68	137	191	9.11	159	40	186	129	165	397	3	4 14	19	148	14824
1885	2327	1910	371	46	382	46	2044	1584	68	361	73	129	192	8.25	166	26	184	147	167	443	2.38	4.08	11	134	17016
1886	2580	2124	392	64	409	64	2283	1689	65	411	64	175	192	7.44	178	30	206	133	173	471	2.78	3.72	17	159	17925
1887	2814	2340	429	45	447	45	2523	1694	60	565	89	173	245	8.70	196	40	217	150	185	490	2.90	3.57	18	183	18981
1888	3256	2549	553	154	570	154	2731	2021	61	640	100	210	277	8.50	194	42	215	156	193	496	2.16	3.46	17	182	19472
1889	3419	2825	500	94	514	94	3016	2034	59	669	110	300	285	8.33	205	29	227	170	207	530	2.28	3.40	14	191	22939
1890	3381	2546	581	254	599	254	2719	1880	55	874	101	241	278	8.13	200	37	225	158	198	601	2.14	3.55	18	173	22545
	80550							34944		19135	4217	4690	6846												411369

*Out-patient Department open only five months.

TABLE No. 9.

TABLE SHOWING THE COST OF THE PRINCIPAL STORES AT THE MASSACHUSETTS GENERAL HOSPITAL.

Articles.	1888.			1889.			1890.			Percentage of total disbursements.
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	
Beef, Sirloin, lbs.	10,224	$2,394.77	.23	11,703	$2,171 52	.18	10,740	$2,176.92	.20	
,, Corned, ,,	6,019	421.33	.07	7,886	551.42	.07	8,291	570.00	.06¾	
,, Round, ,,	31,966	2,624.93	.08	37,530	2,684.10	.07	35,902	2,600.76	.07	
,, Rump, ,,										6.94
,, Roasting, ,,	18,054	1,831.18	.10	18,750	1,745.45	.09	18,290	1,662.88	.09	...
Mutton . . . ,,	11,775	1,472.68	.125	13,658	1,554.94	.11⅜	12,886	1,490.28	.11	
Poultry . . . ,,	14,242	2,321.90	.16	17,294	2,925.32	.16¾	15,339	2,303.71	.15	1.88
Butter . . . ,,	13,103	3,897.19	.29	15,721	4,268.10	.27	15,130	3,969.63	.26⅜	3.24
Eggs . . . doz.	11,201	3,060.25	.273	12,104	3,243.48	.26¾	11,959	3,289.27	.27½	2.68
Flour . . . bbls.	64	390.75	6.10	106	731.90	6.90	107	647.50	6.05	.052
Bread . . lbs.	37,270	2,049.87	.055	35,080	1,929.42	.055	33,560	1,845.81	.05½	1.58
Ice tons	433.98	1,060.98	2.44	486.35	1,738.18	3.55	268,097	1,362.31	5.08	1.11
Sugar . . lbs.	23,563	1,717.13	.07	26,840	2,206.11	.08	28,165	1,853.38	.06¾	1.51
Tea . . . lbs.	1,859	733.24	.40	1,272½	512.32	.40	1,270	471.88	.37	.039
Milk . . . qts.	144,823	7,704.16	.053	153,984½	8,128.55	.055	151,477	7,771.94	.051	6.36
Potatoes . bush.	1,080	1,098.30	1.01	1,232½	1,087.64	.88	1,280	1,476.52	1.15	2.11

The Young Men's Christian Union gave us thirty-one rides, taking out two hundred and forty-eight patients.

Respectfully submitted,

JOHN W. PRATT,

Resident Physician.

BOSTON, Jan. 1, 1891.

The Massachusetts General Hospital is a private, not a public institution.

Applications for admission of patients must be made at the Hospital on Blossom Street, Boston, on week-days, between the hours of 9 and 11 A. M. and 2 and 3 P. M.

Recent accidents admitted at all hours.

Out-patients received between 9 and 10 A. M., week-days only.

Applications from a distance must be made in writing, accompanied by a full description of the case by the attending physician, and, when a Free Bed is desired, by a statement of the pecuniary condition of the patient, and a reply should be awaited before sending the patient.

Contagious and chronic diseases are not admitted.

Regular charges to paying patients are as follows: in the Jackson Ward (private), $50 per week; in small room in the Townsend and Bigelow Wards, $25 per week; in the General Wards, $10 per week. These rates, covering only expenses of board and lodging, may be increased or abated in individual cases by the Resident Physician.

An ambulance, accompanied by a medical officer, will be dispatched to any point within the city proper for the conveyance of cases of *accident* or *urgent sudden sickness, not contagious*, to this Hospital, or elsewhere, upon notice from a physician, the police, or other responsible source, subject to the approval of the undersigned.

In cases requiring gratuitous treatment, no charge will be made.

JOHN W. PRATT,

Resident Physician.

ANNUAL REPORT (SEVENTY-THIRD)

OF THE

SUPERINTENDENT OF THE McLEAN ASYLUM.

The following report, with tabular statements relating to the number and condition of the patients treated in the Asylum during the year 1890, is respectfully presented:—

TABLE No. 1.

GENERAL STATISTICS OF THE YEAR.

	Males.	Females.	Total.
Patients in the Asylum, Jan. 1, 1890 . . .	83	91	174
Admissions within the year	61	62	123
Whole number of *cases* within the year . .	144	153	297
Discharged within the year	56	57	113
Namely,—as Recovered	21	23	44
Much improved	7	8	15
Improved	14	9	23
Unimproved	9	10	19
Not insane		1	1
Deaths	5	6	11
Patients remaining Dec. 31, 1890, supported as private patients, ...	88	96	184
Number of different *persons* within the year	140	151	291
,, ,, ,, ,, admitted . .	59	61	120
,, ,, ,, ,, recovered . .	20	23	43
Daily average number of patients	86.11	87.56	173.67

During the year, two men and one woman were twice admitted. Two men and one woman present at the beginning of the year were discharged and readmitted. Thus there were two hundred and ninety-seven cases treated, representing two hundred and ninety-one persons.

Of the one hundred and twenty persons admitted during the year, seventy-five were regarded as recent cases, and forty-five as chronic, or incurable.

Eighty-three persons, thirty-six men and forty-seven women, had never been in any hospital. Of the remaining thirty-seven persons, twenty-four, fourteen men and ten women, were admitted for the second time; eight persons, five men and three women, for the third time; three persons, two men and one woman, for the fourth time; one man for the fifth time; and one man for the twenty-fifth and twenty-sixth times.

In 1890 there were ten more admissions, eight more discharges, and eighteen more cases under treatment than during the year 1889; and the number present was ten more at the end than at the beginning of the year.

Of the one hundred and eleven persons discharged, including deaths, fourteen, eight men and six women, were transferred to other hospitals in this State, and one man to a hospital in another State.

Of the forty-three persons discharged recovered, thirty had never before been inmates of any hospital; and, of the remaining thirteen persons, ten had been in this Asylum, two in private asylums in this State, and one in an asylum in another State. These thirteen persons had previously made forty-four recoveries.

The average duration of illness from the beginning of attack in all cases recovered was 8.31 months, and the average duration of their residence in the Asylum was 5.17 months.

The percentage of recoveries on all admissions, of persons accounted as insane, for the year 1890, was 36.97. The medical work of the year was more than usually active. The number admitted has not been equalled since 1859. The general results of the last year's work are satisfactory.

The voluntary cases admitted during the year numbered fifty-eight. These represented fifty-five

persons,—thirty-four men and twenty-one women. Of these, twenty-nine were cases of melancholia, five of mania, two of "fixed ideas," three of delusional insanity, four of secondary dementia, one each of paralytic, epileptic, and toxic insanity, five of general paralysis, and four were not insane. Of these fifty-five persons, three were committed after entering the Asylum as voluntary cases, and two were twice admitted as voluntary cases. The fifty-eight voluntary cases admitted during the year with twenty-nine such cases remaining from previous years furnished seventeen recoveries. Thus the voluntary patients have yielded 29.3 per cent. of recoveries on the admissions of that class for 1890, thus furnishing less than their due proportion of all the recoveries. Of this class, five other cases were discharged much improved, ten improved, six not improved, one not insane, and four dead. The total remaining under the voluntary relation at the end of the year is forty-one persons, nineteen men and twenty-two women.

The number of persons admitted as voluntary patients under the present law is as follows: namely, 1881, 1; 1882, 11; 1883, 33; 1884, 49; 1885, 34; 1886, 29; 1887, 29; 1888, 34; 1889, 41; 1890, 58;—a total of 319 persons in ten years.

The voluntary system continues to give accumulating evidence of its value to those who avail themselves of it, and of its ameliorating influence upon the conditions of the Asylum.

There is little that need be added to the special discussion of this subject presented in the report of a year ago. The results of the last year are noteworthy however in their reinforcment of statements formerly made. In a total of one hundred and twenty-three admissions fifty-eight were of voluntary cases,—nearly one-half of the whole number, and a larger proportion

than ever before; including those remaining from the previous year there were eighty-seven under treatment. Of these seven became discontented and were discharged and removed by friends; but one soon died, one was incurable, one was soon sent to another hospital, and one returned here by her own desire. These patients made no written requests for discharge, but it seemed best that they should be allowed to make the change. Two other patients made such requests in writing, but retracted them in like manner upon being asked by their friends to do so. One of these two was finally committed, as were two other men who also made formal requests for discharge; the friends, being unwilling to take the responsibility of removal, called in physicians and a judge of a Somerville court, and the patients were found to be unable to take care of themselves and were duly committed.

While such a system should be properly guarded in the interest alike of the patients and the institutions, it is invaluable as promoting that mutual confidence which strengthens the good work of the hospitals, making them truly hospitals in their helpfulness to the sick, and not forbidding to those who should early seek such aid.

In the Pathological and Psychological Department progress has been made in the initiation of the newer work that has been undertaken for the application of physiological experiments to clinical purposes. Although the beginning of this special work was delayed in the first half of the year for the completion and fitting of the rooms in the new laboratory, and for obtaining and arranging the special apparatus, much preparatory work was accomplished. In the latter months of the year, the work of experimental investigation was advanced along the chosen lines of inquiry, and already gives encouraging promise of good

results. The newness and the difficulty of the work require time as well as patience for developing it to a stage that affords material for a report of definite results.

The problems that first manifestly present themselves for such inquiry are those relating to the nature and source of nervous energy, the phenomena of its expenditure and exhaustion as clinically observed in the prodromic and acute stages of ordinary insanity, and the remedial measures that best affect the arrest of exhausting processes and promote the restoration of the vigor of bodily and mental health. Prominent among these studies are the changes in nervous reactions in health and disease, the relation of the mental element as to its interference with these reactions, and the counter influence of bodily conditions upon mental states. These questions involve a study of the laws of nutrition, rest, and physical exercise, and the exact observation of the conditions attending progress toward recovery in individual cases. Such problems as these are strictly physiological and lie at the foundation of scientific psychiatry, as much as those relating to the structure and pathology of the nervous elements. But these inquiries open so broad a field that it is necessary to combine the studies of the laboratory, the gymnasium, and the bedside. The complexity of all this would be discouraging at the outset, were it not so plainly to be seen that the only way to begin is to begin; and so far it is enough to have made a beginning of these investigations, which is, as stated in a former report, the most that has yet been claimed as at present possible for us to do.

Incidental to the development of this work, a plan has been adopted by which the clinical and laboratory studies can be brought together. The members of the medical staff, including the house pupils, have

organized a medical society for conference upon the questions involved, and for reviewing the literature of any chosen subjects. But instead of the usual procedures of a medical society, an adaptation has been made of the "seminary method," which constitutes in this case a Psychological Seminary. The effect of it is that, for its weekly meetings in this second year of its existence, a series of minor topics was so chosen that, by their selection or assignment, each person in turn has contributed to a close review of the history and literature of a larger subject leading to a practical summing up of present knowledge in regard to it, with reference to the undertaking of new investigations. From the side of the laboratory concurrent contributions are made, and this furnishes the field and means for the newer work.

The work of any given meeting does not involve the preparation of a formal written paper, but is made up by a presentation of the reader's notes of his own readings upon the topic under immediate consideration, citations from the books which now constitute our good reference library, and the further discussion by others of the questions raised. A careful record is kept of all these matters, giving the full argument with all quotations and particularly the transcription of all translations *in extenso*. The whole volume of records is well indexed, and this addition to the seminary method furnishes a valuable body of well-arranged data for subsequent reference.

This method is radically different, it will be seen, from the treatment of disconnected subjects of ordinary "society" work, but it is elastic enough to permit the taking up of any topic of interest for the time being; or any line of inquiry once started may be followed where it logically leads, otherwise than by a pre-arranged series. The difficulty of effective

study in the midst of hospital routine is too well known. It is only by systematic attention to the matter that anything worthy can be accomplished. This method not only furnishes an excellent system, but it minimizes labor, arouses interest, multiplies the effectiveness of the working power of each member of the Seminary, and may be easily put in practice by the medical staff of any hospital.

A special report of the Training School for Nurses will be found in the Appendix. The purposes of the school are stated, the course of instruction, and how to make application for admission to it.

The ladies' gymnasium has maintained its usefulness, not only as to the special matter of physical training for nurses and patients, but its pleasant rooms are an attractive resort and furnish an agreeable and salutary change from the monotony of the wards. The gymnasium for gentlemen is now completed and by a transformation of the old bowling alley we have now an improvement of the former facilities for physical training, bowling, and billiards, the commodious reading and smoking rooms that have been added, and the new position of the building will make it a convenient and attractive place by day and evening.

While much satisfactory work has been done, it is still true that all heretofore said of the urgent need of new buildings only gathers emphasis every year under properly favorable conditions the effort and expenditure now given out here would do more work and more good. It would be a great aid and encouragement if only one building could soon be provided at Waverly, where convalescence could be better promoted in many cases, and ensured in not a few doubtful ones. Something to make a beginning of a new hospital would be the most beneficent and productive

aid that could now be given to the charitable work which the institution has in its charge.

The work of such an institution as this has the peculiarity that little can be generally known of the appreciation in which its benefits are held by those who have received them; but there is no gratitude more profound and sincere than theirs, nor is there any giving of sympathy and help more greatly valued than that which is constantly being received here by the patients and those who are engaged in taking care of them. For all this we are sincerely thankful.

Very respectfully,

EDWARD COWLES,

Medical Superintendent.

TABLE No. 2.

MONTHLY ADMISSIONS, DISCHARGES, AND AVERAGES.

Months.	Admissions.			Discharges (including Deaths).			Daily Average of Patients in the House.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
January . . .	9	5	14	2	3	5	84.87	88.58	173.45
February . .	4	5	9	2	3	5	85.92	85.61	171.53
March . . .	8	3	11	5	4	9	84.90	85.80	170.70
April	1	6	7	7	9	16	81.26	84.14	165.40
May	8	6	14	4	5	9	81.19	82.87	164.06
June	3	2	5	9	3	12	83.60	87.63	171.23
July	6	5	11	2	2	4	86.51	90.78	177.29
August . . .	3	6	9	3	2	5	86.25	90.26	176.51
September . .	6	4	10	5	6	11	88.00	87.93	175.93
October . . .	6	5	11	1	6	7	92.09	83.49	175.58
November . .	5	9	14	4	10	14	91.66	89.11	180.77
December . .	2	6	8	12	4	16	87.13	94.52	181.65
Total *cases* .	61	62	123	56	57	113	86.11	87.56	173.67
Total *persons* .	59	61	120	54	57	111	. .	. .	. .

TABLE No. 3.

RECEIVED ON FIRST AND SUBSEQUENT ADMISSIONS.

Number of the Admission.	Cases admitted.			Times previously recovered.		
	Males.	Females.	Total.	Males.	Females.	Total.
First	36	47	83	. .	6	6
Second	15	11	26	4	7	11
Third	5	3	8	4	2	6
Fourth	2	1	3	5	. .	5
Fifth	1	. .	1	. .	. .	. .
Twenty-fifth . . .	1	. .	1	. .	. .	. .
Twenty-sixth . . .	1	. .	1	25	. .	25
Total of *cases* . . .	61	62	123	38	15	53
Total of *persons* . .	59	61	120	. .	. .	. .

These 53 recoveries represent 23 persons, 17 having recovered one, 4 two, 1 three and 1 twenty-five times.

TABLE No. 4.

AGES OF PERSONS ADMITTED FOR THE FIRST TIME.

Ages.	At first attack of Insanity.			When admitted.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital,	. .	. .	. .	. .	. .	. .
From 10 to 15 yrs.;	1	1	2	1	1	2
,, 15 ,, 20 ,,	3	2	5	2	1	3
,, 20 ,, 25 ,,	1	2	3	2	2	4
,, 25 ,, 30 ,,	6	7	13	5	3	8
,, 30 ,, 35 ,,	5	3	8	5	5	10
,, 35 ,, 40 ,,	3	7	10	1	6	7
,, 40 ,, 50 ,,	9	13	22	12	13	25
,, 50 ,, 60 ,,	2	4	6	2	5	7
,, 60 ,, 70 ,,	4	5	9	3	7	10
,, 70 ,, 80 ,,	2	3	5	2	3	5
,, 80 ,, 90 ,,	. .	. .	. .	1	1	2
Total of *persons*	36	47	83	36	47	83

TABLE No. 5.

PARENTAGE OF PERSONS ADMITTED.

Place of Nativity.	Males.		Females.		Total.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine	5	6	5	6	10	12
New Hampshire . .	9	8	6	7	15	15
Vermont	1	1	1	. .	2	1
Massachusetts . .	23	22	33	30	56	52
Connecticut . . .	3	3	. .	. .	3	3
New York	1	1	1	2	2	3
District of Columbia	. .	. .	1	. .	1	. .
Maryland	. .	. .	. .	1	. .	1
Kentucky	1	1	. .	. .	1	1
Sweden	1	1	. .	. .	1	1
England	3	3	1	2	4	5
Ireland	6	6	6	8	12	14
Nova Scotia . . .	3	3	2	2	5	5
New Brunswick . .	. .	1	. .	. .	. .	1
Canada	. .	. .	1	1	1	1
Scotland	. .	. .	2	1	2	1
Germany	3	3	1	1	4	4
France	. .	. .	1	. .	1	. .
Total of *persons* . .	59	59	61	61	120	120

TABLE No. 6.

RESIDENCE OF PERSONS ADMITTED.

Places.	Males.	Females.	Total.
Massachusetts:—			
Suffolk County	16	19	35
Middlesex County	18	16	34
Essex County	8	4	12
Norfolk County	4	6	10
Plymouth County	1	2	3
Worcester County	2	2	4
Barnstable County	. .	2	2
Hampden County	1	. .	1
Maine	3	2	5
New Hampshire	1	1	2
Vermont	1	1	2
Connecticut	2	1	3
New York	. .	3	3
Pennsylvania	. .	1	1
Maryland	. .	1	1
Wisconsin	1	. .	1
Kansas	2	. .	2
Nova Scotia	1	. .	1
Canada	. .	1	1
Total of *cases*	61	62	123
Total of *persons*	59	61	120

TABLE No. 7.

CIVIL CONDITIONS OF PERSONS ADMITTED.

Number of the Admission.	Unmarried.			Married.			Widowed.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First	17	17	34	16	20	36	3	10	13
Second	7	4	11	8	5	13	. .	2	2
Third	1	2	3	4	1	5	. .	. .	. .
Fourth	. .	1	1	2	. .	2	. .	. .	. .
Fifth	1	. .	1	. .	. .	. .	. .	. .	. .
Twenty-fifth	1	. .	1	. .	. .	. .	. .	. .	. .
Twenty-sixth	1	. .	1	. .	. .	. .	. .	. .	. .
Total *cases*	28	24	52	30	26	56	3	12	15
Total *persons*	27	24	51	29	25	54	3	12	15

TABLE No. 8.

OCCUPATIONS OF PERSONS ADMITTED.

Occupations.	Males.	Females.	Total.
Housewife	. .	25	25
Clerk	5	4	9
Manufacturer	6	. .	6
Farmer	7	. .	7
Florist	1	. .	1
Teacher	1	2	3
Lawyer	2	. .	2
Physician	3	. .	3
Clergyman	1	. .	1
Civil Engineer	1	. .	1
Lithographer	1	. .	1
Broker	2	. .	2
Jeweller	1	. .	1
Grocer	1	. .	1
Baker	1	. .	1
Actor	2	. .	2
Railroad Engineer	1	. .	1
Artist	. .	3	3
Mechanic	6	. .	6
Liquor Dealer	1	. .	1
Commercial Traveller	2	. .	2
Coachman	2	. .	2
Barber	1	. .	1
Sailor	1	. .	1
Seamstress	. .	2	2
Nurse	. .	2	2
No occupation	10	23	33
Total of *persons*	59	61	120

TABLE No. 9.

REPORTED DURATION OF INSANITY BEFORE LAST ADMISSION.

Previous Duration.	First Admission to any Hospital.			All other Admissions.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital	. .	. .	. .	. .	. .	. .	. .	. .	. .
Under 1 mo.	11	8	19	8	2	10	19	10	29
Fr. 1 to 3 mo.,	9	5	14	2	6	8	11	11	22
,, 3 ,, 6 ,,	1	16	17	5	. .	5	6	16	22
,, 6 ,, 12 ,,	4	6	10	1	1	2	5	7	12
,, 1 ,, 2 yrs.,	5	4	9	2	. .	2	7	4	11
,, 2 ,, 5 ,,	3	6	9	4	5	9	7	11	18
,, 5 ,, 10 ,,	3	2	5	3	1	4	6	3	9
Total *cases*	36	47	83	25	15	40	61	62	123
Total *persons*	. .	. .	. .	23	14	37	59	61	120
Average of known persons (in years),	1.18	.97	1.07	2.	1.96	1.99			

TABLE No. 10.

FORM OF DISEASE IN THE CASES ADMITTED.

Form of Disease.	Males.	Females.	Total.
Mania, acute	9	13	22
Mania, recurrent	2	. .	2
Fixed Ideas	2	. .	2
Melancholia, acute	20	27	47
Melancholia, chronic	1	3	4
Moral Insanity	1	. .	1
Toxic Insanity	3	. .	3
Delusional Insanity	2	1	3
Paralytic Insanity	1	. .	1
Senile Insanity	3	2	5
Epileptic Insanity	1	. .	1
Hystero-epilepsy	. .	1	1
Dementia, secondary	5	7	12
General Paralysis	8	7	15
Not insane	3	1	4
Total of *cases*	61	62	123
Total of *persons*	59	61	120

TABLE No. 11.

ALLEGED CAUSES OF INSANITY IN PERSONS ADMITTED.

Causes.	Males.	Females.	Total.
Mental.			
Grief	2	1	3
Anxiety	6	5	11
Overstudy	. .	2	2
Physical.			
Ill-health	4	8	12
Neurasthenia	1	4	5
Overwork	8	5	13
Constitutional	7	4	11
Change of life	. .	4	4
Childbirth	. .	2	2
Acute Disease	3	4	7
Cerebral Embolism	1	. .	1
Injury to Head	. .	2	2
Narcotics	2	. .	2
Intemperance	5	. .	5
Masturbation	1	. .	1
Old Age	1	1	2
Unknown	20	20	40
Total of *cases*	61	62	123
Total of *persons*	59	61	120

TABLE No. 12.

RELATION TO HOSPITALS OF THE PERSONS ADMITTED.

	Males.	Females.	Total.
Never before in any Hospital	36	47	83
Former inmates of this Hospital	13	7	20
Former inmates of other Hospitals in this State:—			
Danvers	3	1	4
South Boston	1	1	2
Private Asylum	1	1	2
Worcester	1	. .	1
Westborough	. .	1	1
Taunton	. .	1	1
Former inmates of Hospitals in other States	3	2	5
Former inmates of this Hospital and of other Hospitals in this State:—			
Northampton	1	. .	1
Danvers	1	. .	1
Former inmates of this Hospital and of Hospitals in other States	1	. .	1
Former inmates of foreign Hospitals	. .	1	1
Total of *cases*	61	62	123
Total of *persons*	59	61	120

TABLE No. 13.

DISCHARGES CLASSIFIED BY ADMISSION AND RESULT.

Admission.	Recovered.			Much Improved.			Improved.			Unimproved.			Not Insane.			Died.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First	11	19	30	4	7	11	12	6	18	7	8	15	. .	1	1	4	4	8	38	45	83
Second	3	3	6	. .	. .	. .	1	1	2	2	. .	2	. .	. .	. .	. .	1	1	6	5	11
Third	2	1	3	3	. .	3	1	1	2	. .	1	1	. .	. .	. .	1	. .	1	7	3	10
Fourth	1	. .	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1	1	1	2
Fifth	1	. .	1	. .	1	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1	2
Sixth	. .	. .	. .	. .	. .	. .	. .	1	1	. .	1	1	. .	. .	. .	. .	. .	. .	. .	2	2
Seventh	1	. .	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	. .	1
Twenty-fifth . . .	1	. .	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	. .	1
Twenty-sixth . . .	1	. .	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	. .	1
Total of *cases* . . .	21	23	44	7	8	15	14	9	23	9	10	19	. .	1	1	5	6	11	56	57	113
Total of *persons* . .	20	23	43	7	8	15	14	9	23	9	10	19	. .	1	1	5	6	11	54	57	111

TABLE No. 14.

CASES DISCHARGED RECOVERED.—DURATION.

Period.	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.		
	Ma.	Fe.	Tot.	Male.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 mo. .	9	8	17	1	1	2	1	1	2
Fr. 1 to 3 mo.,	5	8	13	10	7	17	4	2	6
,, 3 ,, 6 ,,	3	3	6	5	6	11	6	8	14
,, 6 ,, 12 ,,	4	2	6	4	6	10	7	7	14
,, 1 ,, 2 yrs.,	..	1	1	1	2	3	3	3	6
,, 2 ,, 5 ,,	..	1	1	..	1	1	..	2	2
Total *cases* . .	21	23	44	21	23	44	21	23	44
Total *persons* .	20	23	43	20	23	43	20	23	43
Average of known cases (in months),	2.59	3.70	3.17	4.29	5.97	5.17	6.82	9.65	8.31

TABLE No. 15.

CASES RESULTING IN DEATH.—DURATION.

Period.	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.		
	Ma.	Fe.	Tot.	Male.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 mo. .	1	3	4	1	1	2	..	..	..
Fr. 1 to 3 mo.,	1	..	1	1	..	1	2	1	3
,, 3 ,, 6 ,,	1	..	1	..	..	..	..	..	..
,, 6 ,, 12 ,,	..	..	..	2	..	2	..	..	..
,, 1 ,, 2 yrs.,	2	1	3	1	1	2	2	..	2
,, 2 ,, 5 ,,	..	1	1	..	1	1	1	1	2
,, 5 ,, 10 ,,	..	1	1	..	1	1	..	2	2
,, 30 ,, 35 ,,	..	..	..	..	1	1	..	1	1
,, 35 ,, 40 ,,	..	..	..	..	1	1	..	1	1
Total	5	6	11	5	6	11	5	6	11
Average of known cases (in months),	6.05	16.25	11.61	8.30	156.21	88.97	14.35	172.46	100.59

TABLE No. 16.

CASES DISCHARGED BY RECOVERY OR DEATH.

Form of Insanity.	Recoveries.			Deaths.		
	Males.	Females.	Total.	Males.	Females.	Total.
Mania, acute	10	6	16	..	1	1
Mania, chronic	..	..	..	..	3	3
Melancholia, acute	11	17	28	1	..	1
Delusional Insanity	..	..	..	..	2	2
Senile Insanity	..	..	..	2	..	2
General Paralysis	..	..	..	2	..	2
Total of *cases*	21	23	44	5	6	11
Total of *persons*	20	23	43	..	..	..

TABLE No. 17.

CAUSES OF DEATH.

Causes.	Males.	Females.	Total.
Cerebral Disease.			
General Paralysis	2	..	2
Exhaustion from Mania	..	4	4
Exhaustion from Melancholia	1	..	1
Exhaustion from Senile Insanity	2	..	2
Other Causes.			
Tuberculosis	..	1	
Cancer of Gall, Bladder, and Liver	..	1	1
Totals	5	6	11

TABLE No. 18.

RECOVERIES, CLASSIFIED BY RESULTS OF PREVIOUS ADMISSIONS.*

Number of the Admission.	Recovered.			Much Improved.			Not Improved.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Second	2	3	5	..	..	..	..	..	..	2	3	5
Third	1	1	2	..	..	..	1	..	1	2	1	3
Fourth	1	..	1	..	..	..	..	..	..	1	..	1
Twenty-fifth	1	..	1	..	..	..	..	..	..	1	..	1
Twenty-sixth	1	..	1	..	..	..	..	..	..	1	..	1
Total of *cases*	6	4	10	..	..	..	1	..	1	7	4	11
Total of *persons*	5	4	9	..	..	..	1	..	1	6	4	10

*This classification is based upon the result of the admission next preceding the last, in each case respectively.

TABLE No. 19.

DEATHS, CLASSIFIED BY DURATION OF INSANITY AND OF TREATMENT.

Period.	Duration of Insanity.			Whole known period of Hospital Residence.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital	..	..	..	..	..	..
Under 1 month . .	..	..	..	1	1	2
From 1 to 3 months	1	1	2	..	..	..
,, 3 ,, 6 ,,	..	..	..	1	..	1
,, 6 ,, 12 ,,	1	..	1	2	..	2
,, 1 ,, 2 years .	2	..	2	1	1	2
,, 2 ,, 5 ,,	1	1	2	..	1	1
,, 5 ,, 10 ,,	..	2	2	..	1	1
,, 30 ,, 35 ,,	..	1	1	..	1	1
,, 35 ,, 40 ,,	..	1	1	..	1	1
Total	5	6	11	5	6	11
Average of known *cases* (in months)	15.10	177.16	103.50	8.75	160.00	91.25

TABLE No. 20.

AGES OF THOSE WHO DIED.

Ages.	At time of the first Attack.			At time of Death.		
	Males.	Females.	Total.	Males.	Females.	Total.
From 20 to 25 years,	1	1	2	..	..	..
,, 25 ,, 30 ,,	..	1	1	..	1	1
,, 30 ,, 35 ,,	..	1	1	..	1	1
,, 40 ,, 50 ,,	..	1	1	..	..	..
,, 50 ,, 60 ,,	..	2	2	1	2	3
,, 60 ,, 70 ,,	2	..	2	2	..	2
,, 70 ,, 80 ,,	2	..	2	2	2	4
Total	5	6	11	5	6	11

TABLE No. 21.

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS AT THE McLEAN ASYLUM.

FROM ITS OPENING, OCT. 6, 1818, TO DEC. 31, 1890, INCLUSIVE.

Years.	Admitted.	Discharged.	Whole No. under care.	Died.	Much improved, etc.	Recov'd.	Remaining at end of year.	Average No. of Patients.
1818-25	398	344	623	29	205	110	279	...
1826	47	46	101	5	21	21	55	. .
1827	58	56	113	5	17	34	57	...
1828	77	65	134	5	37	23	69	...
1829	73	77	142	9	42	26	65	...
1830	82	78	147	10	34	34	69	...
1831	83	84	152	8	46	30	68	...
1832	94	98	162	10	45	43	64	...
1833	103	100	167	8	50	42	67	...
1834	108	95	174	7	47	41	80	...
1835	83	84	163	11	28	45	77	...
1836	106	112	183	10	38	64	71	...
1837	120	105	191	8	25	72	86	80
1838	138	131	224	12	45	74	93	95
1839	132	117	225	10	38	69	108	112
1840	155	138	263	13	50	75	125	128
1841	157	141	283	11	55	75	142	135
1842	129	138	271	15	43	80	133	143
1843	126	126	260	18	45	63	134	131
1844	158	140	292	20	52	68	152	146
1845	119	120	271	13	33	74	151	149
1846	148	126	299	9	52	65	173	164
1847	170	170	343	33	50	87	173	172
1848	143	155	316	23	50	82	155	171
1849	160	137	321	15	58	64	184	177
1850	173	157	357	28	51	78	200	201
1851	164	173	364	29	69	75	191	195
1852	145	135	336	15	48	72	201	200
1853	114	120	315	17	45	58	195	194
1854	120	120	315	16	45	59	195	195
1855	123	126	318	24	46	56	192	192
1856	149	145	341	19	58	68	196	195
1857	141	159	337	28	60	71	178	191
1858	155	147	333	25	50	72	186	187
1859	131	142	317	28	53	61	175	185
1860	121	109	296	24	46	39	187	185
1861	111	110	298	23	33	54	188	193
1862	82	94	270	18	37	39	176	190
1863	94	69	270	13	20	36	201	191
1864	101	107	302	27	38	42	195	200
1865	82	85	277	17	33	35	192	186
1866	103	98	295	29	23	46	197	197
1867	89	108	286	27	36	45	178	186
1868	92	94	270	23	37	34	176	166
1869	108	100	284	18	31	51	184	187
1870	79	85	263	12	40	33	178	187
1871	75	81	253	13	47	21	172	178
1872	93	101	265	23	63	15	164	173
1873	92	95	256	13	63	19	161	165
1874	75	88	236	10	58	20	148	159
1875	85	83	233	16	51	16	150	156
1876	92	74	242	20	36	18	168	160
1877	110	103	278	20	68	15	175	175
1878	63	84	238	12	66	6	154	168
1879	76	79	230	12	48	19	151	157
1880	51	48	202	6	30	12	154	152
1881	66	65	220	14	37	14	155	150
1882	82	70	237	8	36	26	167	156
1883	109	111	276	17	57	37	165	164
1884	113	103	278	17	52	34	175	166
1885	95	100	270	17	46	37	170	171
1886	93	96	263	14	46	36	167	169
1887	75	78	242	17	35	26	164	160
1888	105	103	269	23	37	43	166	164
1889	113	105	279	16	56	33	174	168
1890	123	113	297	11	58	44	184	173
	7,430	7,246		1,076	3,095	3,075		

TABLE No. 22.

TABLE SHOWING THE COST OF PRINCIPAL STORES AT McLEAN ASYLUM.

Articles.	1888.			1889.			1890.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef lbs.	79,352	$9,714.96	.1224	87,083	$9,466.79	.1080	76,613	$8,545.25	.1115
Mutton and Lamb ,,	27,980	2,761.69	.0986	29,610	2,726.74	.0920	27,802	2,817.36	.10
Veal ,,	14,842	1,578.40	.1064	14,588	1,495.02	.1024	12,983	1,317.05	.1015
Poultry ,,	16,868	2,827.85	.167	18,357	3,154.15	.171	21,137	3,436.46	.162
Ham, etc. ,,	12,878	1,466.73	.113	12,496	1,345.02	.107	12,717	1,345.78	.105
Eggs doz.	10,832	2,352.07	.217	11,267	2,436.84	.216	12,278	2,666.49	.217
Lard lbs.	2,346	222.79	.094	2,740	240.62	.087	3,788	282.67	.074
Flour bbls.	551	2,832.16	5.14	500	2,961.23	5.92	543	2,918.84	5.375
Butter lbs.	19,225	4,448.85	.231	19,958	4,358.62	.218	21,164	5,004.93	.231
Coffee ,,	3,333	812.52	.243	3,410	856.73	.251	3,536	900.14	.254
Tea ,,	1,274	383.51	.301	1,282	360.38	.280	1,377	335.00	.243
Sugar ,,	31,665	2,210.40	.069	32,293	2,500.20	.077	31,276	1,962.89	.063
Lights, Gas, etc. feet		3,089.74			3,006.90			3,178.34	
Coal tons	$1,375\frac{1070}{2000}$	8,856.03	6.436	$1,249\frac{1630}{2000}$	7,335.82	5.873	$1,113\frac{570}{2000}$	6,232.48	5.598
Wood cords	$10\frac{1}{2}$	73.50	7.50						
Ice tons	$462\frac{2000}{2000}$	1,062.94	2.30	$473\frac{1600}{2000}$	1,673.47	3,532	$409\frac{1700}{2000}$	2,102.10	5.128

EIGHTH ANNUAL REPORT

OF THE

McLEAN ASYLUM TRAINING SCHOOL FOR NURSES.

This is the eighth year since the formal organization of the Asylum Training School in 1882, and it represents the eleventh year from the beginning of the preparatory work. In its eight classes of graduates, five of women and three of men, the total product of the school in 1890 amounted to ninety-two nurses,— seventy-two women and twenty men. The number of pupils in the school at the end of the year is fifty-four,— thirty in the senior and junior classes of women, and seventeen in the two classes of men.

The general results of the year in the work of the nursing service have been satisfactory. There is growing evidence of the harmonious working of the school system,— the elements of novelty and experiment, that attend the earlier years of such an undertaking, are now quite gone, and the business of teaching and study has become assimilated in the habitual routine and does not seem like extra labor. The effect of training, as to what a nurse can learn to do in the way of intelligent observation of the mental states of patients, has been especially manifest this year in the written studies of individual cases that the nurses have been taught to make. The testimony to their patient, tactful, and sympathetic care of the sick, which should most be expected when conduct is animated by a clearly understood and well-ordered purpose, is enough of itself to make plain the duty of every hospital in this matter. The training of the men has given good results during the year in all the particulars of improvement in character, conduct, and the intelligent and sympathetic care of the sick. The evidences of this come largely from the spontaneous testimony of the patients themselves, from among the most trying and difficult cases concerning whose

kind and patient treatment every superintendent is always most anxious. Three of the men graduates of the school are now students of medicine, and ten or twelve others are engaged in private nursing. They are particularly successful, as they were in the Asylum itself, in the care of old people who are suffering in mind and body from the effects of senility. There are now, in Boston and vicinity, more male nurses employed in private cases than ever before. It is noteworthy, and in proof of the prediction heretofore made in these reports, that there is also a reduction of the charges of these nurses to more reasonable rates than the exorbitant ones of the less instructed men who have heretofore monopolized such service. This change causes more and steadier employment for these men and is better for them. The public demand for the women nurses has also increased during the year ; it is still increasing faster than the supply, as is shown by the increase in compensation they now commonly receive over that of two or three years ago. Two of our graduates have, during the year, taken positions in other hospitals as officers and teachers.

The Boston Training School at the Massachusetts General Hospital has our special thanks for the excellent service it renders in affording an additional year of practical experience in general nursing to some of our graduates. This has a helpful influence in perfecting the qualifications of those who become teachers, and who are to hold an important place in the great nursing-reform for the insane that is now well begun.

Such an institution has a larger duty than to furnish custodial care, and even than the remedial treatment of the patients that come to it. Its special mission is not only to relieve the most distressing of human suffering, but to promote in every way the cause of preventive medicine by advancement in the understanding of the nature and causes of the diseases treated in it ; to these ends the diffusion of knowledge of mental hygiene, through the training of many nurses, is no small part of its service to the public. The worthiness of this work establishes its claim to consideration in all the hospitals as promising the most desired results for a moderate outlay of labor and money. Good things cost something and are worth all they cost ; but fortunately this

new system can be so managed as to add but little to the expenses of the nursing service.

In the following pages are given the circular of information to applicants, the course of instruction, and a list of the graduates of the school from the beginning, showing how many remain in the service of the Asylum and what has become of those who have left it.

Very respectfully,

EDWARD COWLES,

Medical Superintendent.

McLEAN ASYLUM TRAINING SCHOOL FOR NURSES.

The Trustees of the Massachusetts General Hospital, having established at the McLean Asylum for the Insane a school for nurses, offer to give to men and women desirous of becoming professional nurses a two years' course of training in general nursing, with special reference to the care of cases of nervous and mental disease.

Those wishing to receive such a course of instruction must apply to the Superintendent of the McLean Asylum, Somerville, Mass.

The most desirable age for candidates is from twenty-one to thirty-five years. *They must be in sound health, and must send with their application a certificate from a physician certifying to the fact; also, one from some responsible person as to their good character and good health.* Upon the recommendation of the Superintendent of the Asylum and the approval of the Trustees, they will be received for two months on probation, at the expiration of which time they will, if accepted, sign an agreement to complete the prescribed course of two years.

The Superintendent of Nurses has charge of the Training School, under the authority of the Superintendent of the Asylum and of the Board of Trustees; and the nurses are subject to the rules of the Asylum. Their fitness for the work and the propriety of retaining or dismissing them at the end of the two months of trial are determined by the authorities in charge of the School, under the direction of the Trustees;

and the same authorities can in like manner discharge them at any time in case of misconduct or inefficiency. They reside in the Asylum, and serve as assistant nurses in its wards.

All nurses are required to be intelligent, trustworthy, kind, and cheerful.

The instruction includes the general care of the sick ; the managing of helpless patients in bed, in moving, changing bed and body linen, making of beds, etc. ; giving baths, keeping patients warm or cool, preventing and dressing bed sores ; bandaging, applying of fomentations, poultices, and minor dressings; the preparing and serving of food, the feeding of helpless patients and those who refuse food ; the administering of enemas and use of the catheter ; attendance upon patients requiring diversion and companionship ; the observation of mental symptoms, delusions, hallucinations, delirium, stupor, etc., and the care of excited, violent, and suicidal patients.

They are also given instruction in the best practical methods of supplying fresh air, warming and ventilating sick-rooms in a proper manner, and are taught to take proper care of rooms and wards, in keeping all utensils perfectly clean and disinfected, etc. ; to observe the sick accurately in regard to the state of the secretions, pulse, breathing, skin, temperature, sleep, appetite, effect of diet, of stimulants, and medicine ; the giving of massage ; and the managing of convalescents.

Instructions will also be given in the modern methods of physical training, by the use of free movements and the usual apparatus, in a gymnasium provided for the patients. The nurses are taught the medical application of physical exercise. Each nurse is required to have a gymnasium costume : the material for the dress will be furnished, at moderate cost, by the Asylum.

The instruction is given by the Superintendent of the Training School, and by the Supervisors and Head Nurses. Lectures and demonstrations will be given at stated periods by the Asylum Medical Staff. Examinations, chiefly upon practical points, take place from time to time.

The pupils are employed as assistant nurses in the wards of the Asylum. Women will be paid twelve dollars ($12) per month during the first year, and fifteen dollars ($15) per

month during the second year, for their clothing and personal expenses. Their education during this time is considered as compensation for their services. Men will be paid twenty-three dollars ($23) per month during the first year, and twenty-five ($25) per month during the second year. These are the former rates not yet reduced to the Training-school system. Women graduates will be paid twenty-five dollars ($25) per month ; men graduates twenty-seven dollars ($27) and thirty dollars ($30) per month, according to length of service.

The men and women are required to wear at all times, while on duty in the wards, the asylum uniform.

When the full term of two years is completed, the nurses thus trained receive (after final examinations) diplomas certifying to their period of training, their proficiency and good character.

The right is reserved to terminate the connection of any nurse or pupil with the School, for any reason which may be deemed sufficient.

A female graduate of this School, who wishes to have additional practical experience and instruction in general nursing, has the privilege, under certain restrictions, of entering the Boston Training School for Nurses at the Massachusetts General Hospital. Such graduates will, after one year's satisfactory study, receive the diploma from that School, in addition to the diploma received from the McLean Asylum Training School.

N. B.— This paper to be filled in (in the Candidate's own handwriting), and sent to the Superintendent of McLean Asylum, Somerville, Mass.

QUESTIONS TO BE ANSWERED BY CANDIDATE.

1. Name in full of Candidate
2. Are you single, widow, or widower?
3. Your present occupation or employment?
4. Age last birthday, and date and place of birth?
5. Height? Weight?
6. In what school or schools educated, and in what place?
7. Are you strong and healthy, and have you always been so?
8. Are your sight and hearing perfect?
9. Have you any physical defects?
10. Have you any tendency to pulmonary complaint?
11. If a widow or widower, have you children? How many? Their ages? How are they provided for?
12. Are you otherwise free from domestic responsibility, so that you are not liable to be called away?
13. Where (if any) was your last situation, and how long were you in it?
14. Have you ever been in any Training School or employed in any hospital or asylum? If so, where and how long in each place?
15. The names in full and addresses of two persons, not of your own kindred, to be referred to. State how long each has known you. If previously employed, one of these must be the last employer.

 Name
 Address
 has known me years.

 Name
 Address
 has known me years.

Having read, and clearly understanding and agreeing to the foregoing conditions and regulations, I declare the above statement to be correct.

Signed
Candidate.

Present Address

Nearest Telegraph Office

Date 189

COURSE OF INSTRUCTION.

JUNIOR YEAR.

A Manual for Hospital Nurses *Domville*
Physiology and Hygiene (to the Nervous System) . *Hutchison*
Notes on Fever Nursing *Allan*
A Text-book of Nursing *Weeks*
What to do first in Emergencies *Dulles*
Accidental Injuries *Cantlie*
Practical instruction in massage (twelve lessons).
Physical training (thirty lessons).
Instruction in the wards by the Supervisor and Superintendent of Nurses.
A Lecture each week, First Assistant Physician.

SENIOR YEAR.

Physiology and Hygiene (completed) *Hutchison*
A Text-book of Nursing (completed) *Weeks*
A Short Manual for Monthly Nurses *Cullniworth*
Notes on Surgery for Nurses *Bell*
Hand-book for Hospitals (selections),
State Charities Aid Association, N. Y.
How to care for the Insane *Granger*
Hand-book for the Instruction of Attendants on the Insane,
Sub-Com. British Med.-Psych. Association.
Practical instruction in cooking (six lessons).
Physical training (thirty lessons).
Instruction in the wards by the Supervisor and Superintendent of Nurses.
A Lecture each week, Superintendent.

ORDER OF EXERCISES, 1890–1891.

WOMEN.

Monday.

4.15 P. M. Senior Class, Lecture Dr. COWLES
7.00 P. M. Junior Class, Recitation Miss LEACH
8.00 P. M. Junior Class (1st. Div.), Massage, Miss WOODWARD
8.00 P. M. Junior Class (2d Div.), Massage . Mrs. PIERCE

Tuesday.

2.00 P. M. Junior Class (4th Div.), Massage . Mrs. PIERCE
4.15 P. M. Senior Class, Recitation . . . Miss WOODWARD

Thursday.

11.00 A. M. Graduates, Review, etc. . . . Miss WOODWARD
2.00 P. M. Senior Class (1st or 2d Div.), Cooking Miss MAYNARD

Thursday.

4.15 P. M. Junior Class, Lecture Dr. TUTTLE
7.30 P. M. Junior Class, Instruction in Physical Training Miss MOBERG

Friday.

11.00 A. M. Junior Class (3d Div.), Massage, Miss WOODWARD
4.15 P. M. Junior Class (1st and 2d Div., on alternate weeks from Feb. 1), Care of Sick Patients in Bed, Poulticing, etc. Miss LEACH

Saturday.

11.00 A. M. Senior Class, Instruction in Physical Training Miss MOBERG
11.00 A. M. Junior Class (1st Div.),
7.00 P. M. Junior Class (2d Div.), on alternate weeks, from Feb. 2, Bandaging Miss BOURKE

MEN.

Monday.

4.15 P. M. Junior Class, Recitation, ... Dr. BABCOCK
7.00 P. M. Senior Class (2d Div., from Feb. 9), Massage Dr. TUTTLE

Tuesday.

4.15 P. M. Senior Class, Lecture Dr. COWLE

Wednesday.

4.15 P. M, Junior Class, Lecture Dr. TUTTLE

Thursday.

11.00 A. M. Junior Class (1st Div.),
4.00 P. M. Junior Class (2d Div.), on alternate weeks, from Feb. 12, Bandaging, ... Dr. BABCOCK
2.00 P. M. Senior Class (1st or 2d Div.), Cooking Miss MAYNARD

Friday.

11.00 A. M. Junior Class (1st Div.),
4.00 P. M. Junior Class (2d Div.), on alternate weeks, from Feb. 6, Care of Sick Patients in Bed, Poulticing, etc. Mr. OBER
4.15 P. M. Senior Class, Recitation, ... Dr. BABCOCK
7.00 P. M. Senior Class (1st Div., from Feb. 13), Massage Dr. BABCOCK

LIST OF GRADUATES.

	Name.	*Graduated.*		*Residence.*
Miss	Margaret A. Elliot,	1886,	Now Mrs. Pierce, Head Nurse, McLean Asylum,	Somerville, Mass.
	Abbie M. Ferguson,	,,	Private Nurse,	Malden, Mass.
Mrs.	Lucy J. Moses,	,,	Private Nurse,	Boston, Mass.
Miss	Emily L. Norris,	,,	Head Nurse, McLean Asylum,	Somerville, Mass.
	Jane Robertson,	,,	Private Nurse,	Boston, Mass.
	Agnes A. Stevens,	,,	Now Mrs. Bastian,	Pennsylvania.
	Ida M. Spear,	,,	Now Mrs. Hastings,	Haverhill, Mass.
	Ella M. Allen,	,,	Oberlin College, Ohio,	Oberlin, Ohio.
	Flora M. Knowlton,	,,	Private Nurse,	Boston, Mass.
	Lucella B. Libby,	,,	Private Nurse,	Boston, Mass.
	Rachel C. Tuttle,	,,	Now Mrs. Angevine,	Salem, Oregon.
	Lucinda L. Lovell,	,,	Private Nurse,	Boston, Mass.
	Rachel Bourke,	,,	Sup't of Nurses, Cooper Hosp'l,	Camden, N. J.
	Marion A. McDonald,	,,	Private Nurse,	Fitchburg, Mass.
	Mina R. Steadman,	,,	Now Mrs. Clarke,	Saxton's River, Vt.
	Clara J. Dickerman,	1887,	Matron, Buffalo Asylum,	Buffalo, N. Y.
	Kate Mackintosh,	,,	Private Nurse,	Boston, Mass.
	May E. Steadman,	,,	Now Mrs. Ellis,	California.
	Annie L. Pearson,	,,	Private Nurse,	Boston, Mass.
	Annie W. Hurlbutt,	,,	At home,	Boxford, Mass.
	Maud H. Cummings,	,,	Private Nurse,	Boston, Mass.
	Flora B. Rowe,	,,	Sup't of Nurses, Friends Asylum,	Philadelphia. Pa.
	Carrie C. Willey,	,,	Private Nurse,	Boston, Mass.
	Julia M. Belden,	,,	Private Nurse,	Boston, Mass.
	Nettie U. Houghton,	1888,	Private Nurse,	Boston, Mass.
	Kate Scribner,	,,	Now Mrs. Ryder,	Corinth, Vt.
	Mary J. Webster,	,,	Now Mrs. Buck, Private Nurse,	Boston, Mass.
	Alice A. Eddy,	,,	Private Nurse,	Boston, Mass.
	Carrie D. Taggart,	,,	Nurse, McLean Asylum,	Somerville, Mass.
	Annie M. Delano,	,,	Now Mrs. Marsh,	Dexter, Me.
	Mary F. Knight,	,,	At home,	Cambridge, Mass.
	Minnie Foster,	,,	Private Nurse,	Boston, Mass.
	Isabella J. McDonald,	,,	Deceased.	
	Clara M. Parsons,	,,	Private Nurse,	Boston, Mass.
	Louisa Patten,	,,	Private Nurse,	Canada.
	Ella E. Johnston,	,,	Private Nurse,	Boston, Mass.
	Annie M. Reilly,	,,	Private Nurse,	Boston, Mass.
	Alice P. Goodhue,	,,	At home,	Vermont.
	Annie M. Redman,	,,	Private Nurse,	Newton, Mass.
	Annie Tuttle,	,,	At home,	Nova Scotia.
Mr.	Byron Atwood,	,,	Head Nurse, McLean Asylum,	Somerville, Mass.
	Henry B. Northrop,	,,	Private Nurse,	Boston, Mass.
	George B. Ober,	,,	Supervisor, McLean Asylum,	Somerville, Mass.
	Frank S. Livingston,	,,	Head Nurse, McLean Asylum,	Somerville, Mass.
Miss	Rose E. Rockwood,	1889,	Private Nurse,	Keene, N. H.
	Mary A. Eaton,	,,	Now Mrs. Chandler,	Boston, Mass.
	Susan J. Peppard	,,	Private Nurse,	Boston, Mass.
	Minnie J. Goodwin,	,,	Private Nurse,	Boston, Mass.
	Theresa G. Leach,	,,	Supervisor, McLean Asylum,	Somerville, Mass.
	Mertie M. Jones,	,,	Private Nurse,	Boston, Mass.
	Helena M. Haynes,	,,	Head Nurse, McLean Asylum,	Somerville, Mass.
	Rebecka H. Cleland,	,,	Private Nurse,	Nantucket, Mass.

	Name.	*Graduated.*		*Residence.*
Miss	Ada M. Ryan,	1889,	Night Superv,, McLean Asylum,	Somerville, Mass.
	Attie V. Marriner,	,,	Now Mrs. Wilson,	Somerville, Mass.
	Charlotte Strum,	,,	At home,	Canada.
	Annie L. Reece,	,,	Private Nurse,	Boston, Mass.
	Grace B. Beattie,	,,	Head Nurse, McLean Asylum,	Somerville, Mass.
	Emma E. Condon,	,,	Now Mrs. L. T. Triboa,	Belfast, Me.
Mr.	Robert E. Creelman,	,,	Private Nurse,	New York City.
	John W. Dewis,	,,	Medical Student,	New York City.
	Oscar M. Chandler,	,,	Private Nurse,	Boston, Mass.
	Wm. H. Montgomery,	,,	Clerk,	Boston, Mass.
	Charles E. Ludwig,	,,	Nurse, McLean Asylum,	Somerville, Mass.
	William C. Hawes,	,,	Private Nurse,	Boston, Mass.
Miss	Emily J. MacDonnell,	1890,	Nurse, Johns Hopkins Hospital,	Baltimore, Md.
	Abbie F. Davis,	,,	Private Nurse,	Boston, Mass.
	Myra E. Redington,	,,	Sup't of Nurses, Dr. Channings,	Brookline, Mass.
	Lillian J. T. Sills,	,,	Nurse, Johns Hopkins Hospital,	Baltimore, Md.
	Emma S. Sanford,	,,	At home,	Nova Scotia.
	Katharine Guion,	,,	Nurse, Mass. General Hospital,	Boston, Mass.
	Mary G. Weeks,	,,	At home,	Gorham, Me.
	Alice K. Howard,	,,	Nurse, McLean Asylum,	Somerville, Mass.
	Clara M. Mosher,	,,	Head Nurse, McLean Asylum,	Somerville, Mass.
	Mabel L. Clark,	,,	At home,	Nova Scotia.
	Cassie F. McKenney,	,,	Nurse, McLean Asylum,	Somerville, Mass.
	Elizabeth McPartland,	,,	Nurse, McLean Asylum,	Somerville, Mass.
	Emma M. Smith,	,,	Head Nurse, McLean Asylum,	Somerville, Mass.
	Eliza P. Crosby,	,,	Nurse, McLean Asylum,	Somerville, Mass.
	Sarah E. Leland,	,,	Head Nurse, Mclean Asylum,	Somerville, Mass.
	Charlotte M. Perry,	,,	Nurse, McLean Asylum,	Somerville, Mass.
Mr.	George E. Jones,	,,	Private Nurse,	Boston, Mass.
	John A. Johnson,	,,	Private Nurse,	Kansas City, Mo.
	John N. Crown,	,,	Private Nurse,	Concord, Mass.
	Jeremiah T. Bethell,	,,	At home,	Nova Scotia.
	Charles E. Follansbee,	,,	Private Nurse,	Boston, Mass.
	Thomas L. Jennings,	,,	Private Nurse,	Boston, Mass.
	Joseph F. MacDonald,	,,	Private Nurse,	Boston, Mass.
	Benjamin D. Weeks,	,,	Private Nurse,	Boston, Mass.
	David A. Bolton,	,,	Nurse, McLean Asylum,	Somerville, Mass.
	Joseph Frame,	,,	Medical Student,	New York City.
	Willard L. Parker,	,,	Mass. General Hospital,	Boston, Mass.
	Myrton B. Raynes,	,,	Head Nurse, McLean Asylum,	Somerville, Mass.
	Grant W. Pierce,	,,	Head Nurse, McLean Asylum,	Somerville, Mass.
	Daniel McDonald,	,,	Medical Student,	Baltimore, Md.

Officers of the Institution

1891.

President.

CHARLES H. DALTON.

Vice-President.

John Lowell.

Treasurer.

Franklin Haven, Jr., 28 State Street.

Secretary.

Thomas B. Hall, 75 State Street.

Trustees.

Samuel Eliot, *Chairman*, 44 Brimmer Street.
* Frederick L. Ames, 47 Equitable Building.
* Charles V. Bemis, Medford, Mass.
E. Francis Bowditch, Framingham, Mass.
Edmund Dwight, 50 State Street.
William Endicott, Jr., 32 Beacon Street.
* David P. Kimball, 35 Congress Street.
Thornton K. Lothrop, 8 Congress Street.
* Thomas E. Proctor, 127 South Street.
Nathaniel Thayer, 50 State Street.
David R. Whitney, 85 Devonshire Street.
Roger Wolcott, 53 Tremont Street.

Board of Consultation.

Henry I. Bowditch, M. D.
Algernon Coolidge, M. D.
D. H. Storer, M. D.
Francis Minot, M. D.
Morrill Wyman, M. D.
George C. Shattuck, M. D.
Richard M. Hodges, M. D.
Samuel L. Abbot, M. D.

* Appointed by the Governor of the Commonwealth.

VISITING COMMITTEES.

January and July.
Messrs. Eliot and Thayer.

February and August.
Messrs. Whitney and Ames.

March and September.
Messrs. Bemis and Proctor.

April and October.
Messrs. Wolcott and Kimball.

May and November.
Messrs. Endicott and Lothrop.

June and December.
Messrs. Dwight and Bowditch.

STANDING COMMITTEES.

Admitting Asylum Patients.
Messrs. Dwight and Whitney.

Finance.
Messrs. Endicott and Kimball.

Accounts and Expenditures.
Messrs. Wolcott, Thayer, and Lothrop.

Buildings and Repairs.
Messrs. Dwight, Eliot, and Whitney.

Free Beds.
Messrs. Bowditch and Proctor.

The General Library and Warren Fund.
Messrs. Eliot and Whitney.

Book of Donations.
Dr. Bemis.

Nominations.
Messrs. Eliot, Bowditch, Wolcott, and Lothrop.

New Asylum and Grounds.
Messrs. Dwight, Eliot, Endicott, Bowditch, and Ames.

LADIES' VISITING COMMITTEE.

January and February.

Mrs. F. L. Ames. Miss Helen H. White.

March and April.

Miss Teresa Dodge. Miss Ida G. Beal.

Mrs. N. Thayer.

May.

Mrs. J. C. Gray. Mrs. T. E. Proctor. Mrs. S. Eliot.

June.

Mrs. Gray. Miss Jeanie L. Motley.

July.

Miss Motley.

November and December.

Mrs. H. W. Haynes. Miss A. W. Morrill.

General.

Miss Mary Tappan.

OFFICERS OF THE HOSPITAL.

Resident Physician.

John W. Pratt, M. D.

Visiting Physicians.

George G. Tarbell, M. D. Frederick C. Shattuck, M. D.
Wm. L. Richardson, M. D. Reginald H. Fitz, M. D.
Edward N. Whittier, M. D. Elbridge G. Cutler, M. D.

Visiting Surgeons.

Charles B. Porter, M. D. John Homans, M. D.
John Collins Warren, M. D. Arthur T. Cabot, M. D.
Henry H. A. Beach, M. D. Maurice H. Richardson, M. D.

Physicians to Out-Patients.

William W. Gannett, M. D. George M. Garland, M. D.
Charles P. Strong, M. D. James T. Minot, M. D.
Herman F. Vickery, M. D. Harold C. Ernst, M. D.

Surgeons to Out-Patients.

John W. Elliot, M. D. Samuel J. Mixter, M. D.
Frank B. Harrington, M. D. Otis K. Newell, M. D.

Physician to Out-Patients with Diseases of the Skin.
JAMES C. WHITE, M. D.

Physicians to Out-Patients with Diseases of the Nervous System.
JAMES J. PUTNAM, M. D. GEORGE L. WALTON, M. D.

Physicians to Out-Patients with Diseases of the Throat.
FREDERICK I. KNIGHT, M. D. S. W. LANGMAID, M. D.
FRANKLIN H. HOOPER, M. D.

Ophthalmic Surgeon to Out-Patients.
OLIVER F. WADSWORTH, M. D.

Aural Surgeon.
J. ORNE GREEN, M. D.

Pathologist.
REGINALD H. FITZ, M. D.

Chemist.
EDWARD S. WOOD, M. D.

Artist.
HENRY P. QUINCY, M. D.

MEDICAL AND SURGICAL ASSISTANTS.

Assistant Pathologist.
WILLIAM F. WHITNEY, M. D.

Assistants for Diseases of the Nervous System.
HENRY C. BALDWIN, M. D. CYRUS F. CARTER, M. D.

Assistant to Ophthalmic Surgeon.
FREDERICK E. CHENEY, M. D.

Assistants for Diseases of the Throat.
ALGERNON COOLIDGE, JR., M. D. FREDERICK C. COBB, M. D.
J. PAYSON CLARK, M. D.

Assistant for Diseases of the Skin.
JOHN T. BOWEN, M. D.

Medical House Pupils, 1890-91.
EVERETT A. BATES. FRANK S. CHURCHILL.

Surgical House Pupils, 1890-91.

RALPH H. SEELYE. JOHN W. BARTOL.
HENRY A. SHAW. FRED. S. COOLIDGE.

Matron.
G. L. STURTEVANT.

Superintendent of Nurses.
MARIA B. BROWN.

Apothecary.
WILLIAM A. CAMERON.

OFFICERS OF THE McLEAN ASYLUM.

Medical Superintendent.
EDWARD COWLES, M. D.

1st Assistant Physician.
GEORGE T. TUTTLE, M. D.

2d Assistant Physician.
JAMES W. BABCOCK, M. D.

Assistant Physician and Pathologist.
WILLIAM NOYES, M. D.

House Pupils.
EDWARD S. ABBOTT. GILMAN D. FROST.

Superintendent of Nurses and Matron.
LUCIA E. WOODWARD.

Supervisors.
GEORGE B. OBER. THERESA G. LEACH.

Apothecary.
C. M. THOMPSON.

Purveyor.
JOHN P. BRADBURY.

Clerk.
F. E. GILBERT.

SEVENTY-EIGHTH ANNUAL REPORT

OF THE

TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

AND

McLEAN ASYLUM

1891

BOSTON
L. BARTA & CO., PRINTERS, 148 HIGH STREET
1892.

THE SEVENTY-EIGHTH ANNUAL REPORT.

For the year 1891.

The Committee of Trustees, to whom was referred the Treasurer's report, with other documents, including annual reports and tabular statements from the several departments in the institution, respectfully submit herewith the Seventy-Eighth Annual Report. The report shows an ever-increasing number of patients treated during the year. The principal changes in the staff have been the resignation of Dr. George G. Tarbell, at the Hospital, and the appointment of Dr. W. W. Gannett, to fill the vacancy; and at the Asylum, the resignation of Dr. James W. Babcock, Second Assistant, and the election of Dr. D. H. Fuller to fill the vacancy. The two retiring physicians were both eminent for admirable work in their respective departments.

The Treasurer's account for the year shows that the total expenses have been: —

On Account of the Hospital	$135,663.27
„ „ „ „ McLean Asylum	151,419.67
„ „ „ „ Convalescent Home . . .	10,185.65
Making a total of	$297,268.59
These expenses have been met from the amount charged to patients	$166,032.92
Income from various funds	104,416.86
Subscription for Free Beds for 1891	13,198.00
From profits of the Massachusetts Hospital Life Insurance Company	10,000.00
Deficit drawn from the general fund	3,620.81

The expenses at the Hospital have exceeded the receipts	$12,410.02
The receipts of Convalescent Home have exceeded the expenses	200.55
And the expenses at the McLean Asylum have exceeded the receipts	1,411.34
Making a deficit of	$13,620 81

from which the income of $10,000 derived from the "Life" office being subtracted, the net deficit becomes $3,620.81.

As in previous years, the principal deficiency in our finances has come from the free-bed system at the Hospital, which is increasing very much out of proportion to the funds which have been received to maintain it. The past year shows that more than three fourths of all the patients admitted to the hospital have been entirely free, and that only one eighth have been patients who have paid their expenses.

The number of patients in the wards throughout the year was 3,409; in the out-patient department 25,819 new patients have been treated; 386 patients have been in the Convalescent Home. The number of patients in the Asylum was 298.

Donations and legacies to the amount of $36,662.32 have been received during the year, as follows: —

Bequest of Abraham Goldsmid, of Chicago, as a slight acknowledgment of kindness shown him in sickness and distress about the year 1853	$150.00
Bequest of Joseph Schofield	3,000 00
Donation of Mrs. Horace Gray	50.00
Donation of Charles H. Dalton and Henry R. Dalton, to be called the John Call Dalton and Edward Barry Dalton Trust Fund for Promoting Investigation in the Science of Medicine	10,000.00
Bequest of Miss Ann Wigglesworth	5,000.00

Part bequest of M. P. Sawyer, income devoted to Free Beds	$3,218 32
Bequest of Augustus L. Case	500 00
Additional donation of William S. Dexter	500.00
Donation of Frank Merriam, in memory of his mother, Caroline Merriam income for Free Beds	1,000 00
Donation of Mrs. J. S. Cabot	50.00
Subscription for Free Beds	13,198 00

At the close of the year the corporation suffered a great loss in the death of E. Francis Bowditch, for many years a trustee. At a meeting of the Trustees, January 8, 1892, the following minute was adopted: —

"The Massachusetts General Hospital has suffered a great loss in the death of E. Francis Bowditch, a Trustee for twenty years. He inherited his father's love for the institution and has rendered a service of cordial and loyal devotedness. He was particularly relied upon in matters relating to the grounds of the Hospital and Asylum, and brought his large agricultural experience to bear upon our out-door interests. His kindly presence and ready sympathy fitted him to meet all the demands of officers and patients, and made him a universal favorite and friend. He leaves a memory of whole-hearted zeal, which will be long and gratefully cherished by his associates and all connected with the Hospital."

Mr. Bowditch inherited his interest in the Hospital from both his paternal and maternal ancestors, who were benefactors to the institution from its earliest days. His grandfather, Ebenezer Francis, was a trustee in 1817, and served upon the building committee which erected the original hospital and asylum structures, and on the committee which admitted the first patients. His father, Nathaniel I. Bowditch, served as trustee and vice-president for the period of thirty-five years. These family traditions have been most worthily sustained by the son and grandson.

His hearty personality and cheerful disposition, and his sincere sympathy with all forms of suffering or misfortune with which he came in contact, were an unusual combination of the gifts of nature which always made his visits most welcome and beneficial to the inmates. The loss of his presence in the Board is not only that of a prudent, devoted, and efficient coadjutor, but it is even more — the loss of a personal friend and charming companion, and the example of a stainless character.

Dr. Henry I. Bowditch, long on our Staff, and long on our Board of Consultation, has died since the last year, but we desire to record the value of his protracted services to the Hospital, and our respect for his memory.

The Trustees would renew their acknowledgments to the Boston Training School for nurses, which has been connected with the Hospital during many years. The school provides a superintendent of nurses, a night superintendent, and makes an appropriation by means of which some of the more experienced nurses give instruction to the less experienced. All this is of great service to the Hospital administration, and entitles the Training School to frequent expressions of our grateful appreciation.

They also desire to acknowledge the great good that has been accomplished by the lady visitors of the Hospital, and the good work which they are doing.

We again call public attention to the private rooms constructed especially for paying patients and supplying something like home comforts.

We repeat the statements in former reports, to the effect that children are received into the Hospital and the Convalescent Home, and, if infants, their mothers are admitted with them.

The need of a ward for contagious diseases was fully stated in the last annual report. A year's additional experience has but deepened the need.

It has been a pleasure to supply two other wants mentioned a year ago. The out-patient quarters have been largely increased by adding a story to the Gay Memorial Building at a cost of $8,000. During the year a suitable house has been erected for the Resident Physician in the Hospital enclosure, but not directly adjoining the main buildings. This was thought necessary, as the former rooms in the central part of the hospital were unsuitable for family use, and will now be valuable for the use of the staff and other officers of the institution. The new building has been erected at a cost of about $15,000, drawn from the General Fund.

We wish to call special attention to the great benefits obtained from the Bradlee Ward and Operating Theatre. The complete results of the antiseptic treatment, made possible by the perfect appointments of this ward, have been most satisfactory, and the rooms being especially bright and attractive, have added greatly to the convalescence of the patients who undergo operations.

The Trustees can only reiterate what they have often said in their previous reports in regard to the great need of new Asylum buildings. The present buildings are old, and the situation has become so noisy and circumscribed that it is very difficult to get the best results obtainable in the treatment of patients. We feel that a considerable proportion of our patients, especially those of the more recent cases, would be greatly benefited by the change, not only to brighter rooms, but a more peaceful and pleasant location.

The plans now prepared are for detached houses of

a domestic style of architecture, each within its own grounds, varying in size and accommodations, with the best arrangements for comfort, safety, and recovery known to modern science. The construction of these buildings on our Waverley estate will be begun as soon as the Trustees are supplied with the necessary funds, and can be built and occupied almost, if not quite, as quickly as the same number of private dwellings. We hope that the time is not far distant when we may be in a position to move the Asylum to a site that we all feel would be very much more advantageous than the present one. We ask the liberal men and women in our community to lend us their aid in this much needed enterprise.

NATHANIEL THAYER,
SAMUEL ELIOT,
Committee.

REPORT OF THE TREASURER.

In accordance with the Fifth Article of the By-Laws, the report of the accounts of the Massachusetts General Hospital, made up to the last day of December, 1891, is respectfully submitted to be laid before the Corporation at its annual meeting.

Dr. FRANKLIN HAVEN, JR., *Treasurer, in account with the* MASSACHUSETTS GENERAL HOSPITAL, *Cr.*

To Balance Cash on hand, Dec. 31, 1890	$14,710.25	By Cash paid Insurance	$1,048.88
,, Railroad Bonds sold or matured	103,275.00	,, ,, ,, Annuitants	2,576.00
,, City and Town Bonds matured	5,000.00	,, ,, ,, Notes Receivable	73,167.50
,, One third profits Mass. Hospital Life Ins. Co.	10,000.00	,, ,, ,, Taxes at Belmont	484.10
,, Donations and legacies	23,468.52	,, ,, ,, Expenses of Hospital	136,663.27
,, Profit on Real Estate sold.	4,875.00	,, ,, ,, Expenses of Asylum	151,419.67
,, Income from investments	122,662.32	,, ,, ,, Expenses of Convalescent Home	10,185.65
,, Board of paying patients at Asylum	138,907.73	,, ,, ,, Investments	66,370.00
,, Board of paying patients at Hospital	25,068.19	,, ,, ,, Library	254.82
,, Board of paying patients at Convalescent Home	2,057.00	,, ,, ,, Wooden legs	600.00
,, Subscribers for Free Beds ($5,800) received for this purpose in 1890	7,398.00	,, ,, ,, Gay Ward	6,465.33
		,, ,, ,, House for Resident Physician	7,632.55
,, Subscribers for Free Beds for 1892 in advance	4,800.00	,, ,, ,, Warren Prize Fund account	50.00
,, Premiums on bonds sold	1,283.50	,, ,, ,, Surgical Instrument Fund account	335.20
,, Dr. Edward Cowles	1,787.61	,, ,, ,, Dr. J. W. Pratt	11.64
		,, Balance Cash on hand, Dec. 31, 1891	9,028.51
	$465,293.12		$465,293.12

The expense of carrying on the business of the Corporation for the year 1891 has been $297,268.59: —

On account of Hospital	$135,663.27
,, ,, ,, McLean Asylum	151,419.67
,, ,, ,, Convalescent Home	10,185.65
	$297,268.59

These expenses have been met from

Amount charged to patients	$166,032.92
Income from various funds	104,416.86
Subscriptions for Free Beds for 1891 . . .	13,198.00
Deficit drawn from the General Fund . . .	13,620.81
	$297,268.59

The expenses at the Hospital have exceeded the receipts $12,410.02; the receipts at the Convalescent Home have exceeded the expenses $200.55; and the expenses at the McLean Asylum have exceeded the receipts $1,411.34, making a net deficit of $13,620.81.

TABLE No. 1.

HOSPITAL DEPARTMENT.

Expenses and receipts for the year 1891: —

Expenses at the Hospital (see Table 4) . . .	$135,663.27

Receipts.

Income from Redman Fund (see Table 7). .	$27,306.78
,, ,, Free Bed Funds (see Table 7) .	41,843.80
,, ,, funds, income unrestricted (see Table 7)	3,000.00
,, ,, General Fund (see Table 7) . .	12,836.48
,, ,, Free Bed Subscriptions (see Table 8)	13,198.00
Amount charged to patients	25,068.19
Deficit from General Fund	12,410.02
	$135,663.27

TABLE No. 2.

McLEAN ASYLUM.

Expenses and receipts for the year 1891: —

Expenses at the Asylum (see Table 5) . . .		$151,419.67
Receipts.		
Income from Funds for Beneficiaries . . .	$5,400.60	
,, ,, ,, ,, Female Beneficiaries .	5,100.00	
,, ,, Amusement Fund	600.00	
Amount charged to patients	138,907.73	
		$150,008.33
Balance of expenses over receipts charged to the General Fund		$1,411.34

TABLE No. 3.

CONVALESCENT HOME.

Expenses and receipts for the year 1891: —

Expenses at Convalescent Home (see Table 6)		$10,185.65
Receipts.		
Income from Convalescent Home Fund . .	$8,329.20	
Amount charged to patients	2,057.00	
		$10,386.20
Balance of receipts over expenses credited to the General Fund		$200.55

TABLE No. 4.

Expenses of the Hospital Department: —

For Stores	$45,099.38	
Gas and Oil	210.62	
Water and Ice	2,731.09	
Wages	37,314.97	
Medicine	4,379.12	
Furniture	10,757.86	
Surgical Instruments	4,522.96	
Stationery	998.20	
Wines and Liquors	2,041.55	
Salaries	4,528.50	
One half General Expenses	1,080.59	
Fuel	12,270.46	
Contingencies	1,710.67	
Repairs	8,017.30	
		$135,663.27

These expenditures have been for account of: —

2,566 free patients for 9,672 weeks	$121,314.88	
637 other patients for 1,144 weeks	14,348.39	
		$135,663.27
The average number of patients in 1890 . .	198	
The average number of patients in 1891 . .	208	
The average cost per week in 1890	12.41	
The average cost per week in 1891	12.54	
The total expenses in 1890	127,727.39	
The total expenses in 1891	135,663.27	
The amount paid for account of free patients		121,314.88
The amount received for them has been: —		
From income of Free Bed Funds . . .	41,843.80	
From subscribers for this object . . .	13,198.00	
		$55,041.80

The deficiency has been drawn in part from the income of various funds applicable to the purpose, and the remainder from the General Fund.

TABLE NO. 5.

EXPENSES OF THE ASYLUM DEPARTMENT.

For Stores	$44,918.88	
Laundry	8,639.19	
Fuel	8,846.97	
Stationery	526.80	
Medicines and Liquors	2,469.75	
Contingencies	2,752.99	
Furniture	8,397.85	
Repairs	13,777.88	
Diversions	1,521.57	
Belmont Improvements	98.79	
Water and Ice	2,864.30	
Lights	3,221.45	
Wages	31,648.21	
Salaries	10,842.25	
One half General Expenses	1,080.59	
Library	700.00	
Stables	6,548.68	
Garden	3,463.46	
Carriages	221.00	
		$152,540.61
Less Cr. Clothing, $267.47; Farm, $853.47,		1,120.94
		$151,419.67

These expenditures have been for account of: —

Patients paying average cost and more		$27,100.33
Patients paying less than average cost		124,319.34
		$151,419.67
The average number of patients in 1890	173	
The average number of patients in 1891	173	
The average cost per week in 1890	$16.83	
The average cost per week in 1891	16.81	
The total expenses in 1890		$152,219.98
The total expenses in 1891		151,419.67
The amount expended at the Asylum for patients who have paid less than average cost has been		124,319.34
The amount received has been: —		
From patients, 7,385 weeks' board at less than average cost	$78,159.12	
Income of Funds for Beneficiaries	5,400.60	
Income of Funds for Female Beneficiaries,	5,100.00	
Income of Amusement Fund	600.00	
		89,259.72
		$35,059.62

The deficiency has been partly met by patients paying more than average cost, and the balance, $1,411.34, drawn from the General Fund.

TABLE NO. 6.

EXPENSES OF THE CONVALESCENT HOME.

For Stores	$4,713.58
Gas and Oil	46.10
Furniture	464.58
Wages	2,899.64
Fuel	654.85
Ice	151.65
Repairs	513.12
Contingencies	634.54
Surgical Instruments	40.69
Medicines	66.90
	$10,185.65

Whole number of patients admitted during the year,		
males	227	
females	141	
	368	
Number of patients, Jan. 1, 1891	18	
		386

Whole number discharged during the year		365
Remaining, Jan. 1, 1892, males	11	
females	10	21
		386

TABLE No. 7.

INCOME FROM INVESTMENTS.

From Annuities Receivable	$6,400.00
City and Town Bonds	850.00
Mass. Hospital Life Ins. Co. Stock	5,000.00
Railroad Bonds	30,898.00
Manufacturing Stocks	3,503.00
Bank Stocks	5,007.00
Real Estate, Productive	64,295.63
Notes Receivable	4,155.00
Railroad Stocks	2,230.00
Del. Mut. Ins. Co.	41.25
Interest	282.44
	$122,662.32

Which has been distributed as follows: —

To G. H. Gay Fund		$412.80
Redman Fund		27,306.78
Warren Prize Fund		214.80
Bowditch History Fund		120.00
Wooden Leg Fund		306.00
Redman Annuities		276.00
Clara Barton Annuity		194.46
Surgical Instrument Fund		88.50
Amusement Fund		600.00
Free Bed Funds { for use	$41,843.80	
Free Bed Funds { for Joy Annuitants	500.00	42,343.80
Beneficiaries at Asylum Funds		5,400.60
Warren Library Fund		60.00
One half Lincoln Fund,— Female Beneficiaries		5,100.00
Funds with Income Unrestricted		3,000.00
General Fund		12,836.48
Convalescent Home Fund		8,329.20
Asylum Building Fund		13,392.90
Whittemore Fund		1,500.00
Urbino Fund		300.00
Treadwell Library Fund		300.00
Samuel Cabot Fund		120.00
Hibbard Fund		60.00
Dalton Fund		400.00
		$122,662.32

The Income for 1889 was	$119,392.99
The Income for 1890 was	120,215.98
The Income for 1891 has been	122,662.32

TABLE No. 8.

SUBSCRIBERS FOR FREE BEDS FOR 1891.

American Bell Telephone Co.	$ 98	E. W. Hooper	100
Oliver Ames & Sons' Corporation	100	George D. Howe	100
C. W. Amory	100	Francis W. Hunnewell	100
D. H. Andrews	100	Samuel Johnson	100
Boston & Albany R. R. Co.	500	David P. Kimball	100
Boston & Lowell R. R. Co.	300	L. C. Kimball	100
Boston & Maine R. R. Co.	500	Amory A. Lawrence	100
Boston & Providence R. R. Co.	100	Mrs. Amos A. Lawrence	100
Boston Firemen's Relief Fund	200	Mrs. Anna C. Lodge	100
Mrs. E. B. Bowditch	200	Thornton K. Lothrop	100
J. L. Bremer	100	Mrs. Thornton K. Lothrop	100
Richard Briggs	100	Theodore Lyman	100
P. C. Brooks	100	Thomas Mack	100
Shepherd Brooks	100	Miss Ida M. Mason	100
William S. Bullard	100	W. Powell Mason	100
Mrs Laura M. Case	100	Mass. Humane Society	200
J. Randolph Coolidge	100	Mrs. Caroline Merriam	100
J. T. Coolidge	100	Charles Merriam	100
T. Jefferson Coolidge	100	Miss M. C. Mixter	100
T. Jefferson Coolidge, Jr.	100	C. J. Morrill	100
J. B. Curwen	100	N. Y. & N. E. R. R. Co.	500
Mrs. Arthur Croft	100	Old Colony R. R. Co.	500
Charles P. Curtis	100	C. E. Perkins	100
Greely S. Curtis	100	F. H. Peabody	100
Mrs. J. G. Cushing	100	Frank E. Peabody	100
F. Gordon Dexter	100	W. D. Pickman	100
George Dexter	300	Mrs. B. S. Rotch	100
Mrs. C. H. Dalton	100	Dr. Wm. L. Richardson	100
C. H. Dalton	100	Henry Saltonstall	100
Edmund Dwight	100	F. R. Sears	100
Samuel Eliot	100	J. M. Sears	100
William Endicott, Jr.	100	Mrs. G. H. Shaw	100
Employers' Liability Assurance Corporation, Limited	100	Henry S. Shaw	100
Mrs. Elizabeth E. Fay	100	J. P. Squire & Co.	200
Henry H. Fay	100	Mrs. Francis Skinner	100
Joseph S. Fay	100	Bayard Thayer	100
Joseph S. Fay, Jr.	100	Nathaniel Thayer	200
Fitchburg R. R. Co.	500	E. V. R. Thayer	100
John Foster	100	George W. Wales	100
Mrs. Harriet Gray	100	Mrs. Charles E. Ware	100
George A. Gardner	100	Otis E. Weld	100
John L. Gardner	200	West End Street Railway Co.	500
Joseph B. Glover	100	Thos. Wigglesworth	200
Miss Eliza Goodwin	100	R. C. Winthrop, Jr.	100
W. O. Grover	100	Mrs. Thomas Lindall Winthrop	100
F. Haven, Jr.	100	J. Huntington Wolcott	100
F. L. Higginson	100	Mrs. J. Huntington Wolcott	100
Miss E. Hooper	100	Henry Woods	100
		Chas. L. Young	100
			$13,198

Total Free Bed Subscriptions in 1890	$13,496

TABLE No. 9.—LIBRARY FUNDS.

TREADWELL LIBRARY FUND.

Balance, Dec. 31, 1890.—		
Principal		$5,000.00
Income	$32.48	
1891 Income received	300.00	
	$332.48	
Income expended	254.82	
	$77.66	
Balance, Dec. 31, 1891:—		
Principal		$5,000.00
Income	$77.66	

WARREN LIBRARY FUND.

Balance, Dec. 31, 1890:—		
Principal		$1,000.00
Income	$819.62	
1891 Income received	60.00	
	$879.62	
Balance, Dec. 31, 1891:—		
Principal		$1,000.00
Income	$879.62	

TABLE No. 10.

WOODEN LEG FUND.

Balance, Dec. 31, 1890:—		
Principal		$5,100.00
Income	$316.69	
1891 Income received	$306.00	
	$622.69	
Income expended	600.00	
	$22.69	
Balance, Dec. 31, 1891:—		
Principal		$5,100.00
Income	$22.69	

TABLE No. 11.

BOWDITCH HISTORY FUND.

Balance, Dec. 31, 1890:—		
Principal		$2,000.00
Income	$55.75	
1891 Income received	120.00	
	$175.75	
Balance, Dec. 31, 1891:—		
Principal		$2,000.00
Income	$175.75	

TABLE No. 12.

GENERAL FUND.

Balance, Dec. 31, 1890	$1,126,729.96	
Add one third profits of Mass. Hospital Life. Ins. Co.	$10,000.00	
Add premiums on bonds sold	1,283.50	
Add donations and legacies	8,700.00	
Add profit on real estate sold	4,875.00	1,151,588.46
Less balance of insurance account	1,048.88	
Less balance of expenses over income	13,620.81	
Balance, Dec. 31, 1891	1,136,918.77	1,151,588.46

TABLE No. 13.

RESTRICTED FUNDS.

Income devoted to free beds: —

The Joy Fund, a bequest from Miss Nabby Joy	$20,000.00
Belknap Fund, a bequest from Jeremiah Belknap	10,000.00
Wm. Phillips Fund, a bequest from Wm. Phillips	5,000.00
Williams Fund, a bequest from John D. Williams, of estate No. 17 Blackstone Street	19,600.00
Bromfield Fund, half of a bequest from John Bromfield	20,000.00
Miss Townsend Fund, a donation from the executors of the will of Miss Mary P. Townsend	11,486.50
Brimmer Fund, a bequest from Miss Mary Ann Brimmer	5,000.00
Wilder Fund, a bequest from Charles W. Wilder	12,000.00
Sever Fund, a bequest from Miss Martha Sever	500.00
Thompson Fund, a bequest from S. B. Thompson	500.00
Tucker Fund, a bequest from Miss Margaret Tucker	3,312.37
Davis Fund, a bequest from Mrs. Eleanor Davis	900.00
Loring Fund, a bequest from Abigail Loring	5,000.00
Nichols Fund, a bequest from B. R. Nichols	6,000.00
Gray Fund, a donation from John C. Gray	1,000.00

The Dowse Fund, a bequest from Thomas Dowse	$5,000.00
Todd Fund, a bequest from Henry Todd	5,000.00
J. Phillips Fund, bequest from Jonathan Phillips	10,000.00
Greene Fund, a bequest from Benj. D. Greene	5,000.00
Percival Fund, a bequest from John Percival	950.00
Pickens Fund, a bequest from John Pickens	1,676.75
Treadwell Fund, part of a bequest from J. G. Treadwell	38,703.91
Raymond Fund, a bequest from E. A. Raymond	2,820.00
Harris Fund, part of a bequest from Charles Harris	1,000.00
Mason Fund, a bequest from Wm. P. Mason	9,400.00
J. L. Gardner Fund, a donation from J. L. Gardner	20,000.00
B. T. Reed Fund, a donation from Benj. T. Reed	1,000.00
Wm. Reed Fund, a bequest from Wm. Reed	5,233.92
McGregor Fund, half of a donation and bequest from James McGregor	7,500.00
Miss Rice Fund, a bequest from Miss Arabella Rice	5,000.00
Templeton Fund, half of a bequest from John Templeton	5,000.00
Mrs. J. H. Rogers Fund, a donation from J. H. Rogers	1,177.50
Beebe Fund, a bequest from J. M. Beebe	50,000.00
Lincoln Fund, half of a bequest from Mrs. F. W. Lincoln	85,000.00
Blanchard Fund, a bequest from Mrs. M. B. Blanchard	4,000.00
George Gardner Fund, a donation from George Gardner	1,000.00
Hemenway Fund, a donation from the executors of the will of Augustus Hemenway	20,000.00
Jessup Fund, part of a bequest from Dr. Chas. A. Jessup	1,000.00
Tufts Fund, bequest from Quincy Tufts	10,000.00
Read Fund, half of a bequest from Jas. Read	1,000.00

The Parker Fund, a bequest from Jno. Parker, Jr.	$10,000.00
Miss Shaw Fund, a donation and bequest from Miss M. Louisa Shaw	5,500.00
Eliza Perkins Fund, a donation from Mrs. H. B. Rogers	1,000.00
Dwight Fund, a donation from Mrs. T. Bradford Dwight	1,000.00
Hunnewell Fund, a donation from H. H. Hunnewell	10,000.00
R. M. Mason Fund, a bequest from R. M. Mason	5,000.00
Hannah Lowell Cabot Fund, a donation from Dr. Samuel Cabot	1,000.00
Welles Fund, a donation from Miss Jane Welles	5,000.00
Black Fund, a bequest from Miss Marianna Black	2,000.00
Eben Wright Fund, an assignment of legacies by the children of T. Jefferson Coolidge	14,000.00
Paraclete Holmes Fund, a donation from W. S. Adams	2,000.00
Estabrooks Fund, a bequest from J. W. Estabrooks	1,000.00
Thayer Fund, a bequest from Nathaniel Thayer	30,000.00
Sawyer Fund, a bequest from M. P. Sawyer	76,902.66
Ann E. Gray Fund, a bequest from Miss Ann E. Gray	5,000.00
John Bertram Fund, a donation from Mrs. Clara Bertram Kimball	5,000.00
Hannah C. Leland Fund, a bequest from Mrs. Hannah C. Leland	15,000.00
Esther E. Beebe Fund, a bequest from Mrs. Esther E. Beebe	2,000.00
Ella F. Roehl Fund, a bequest from Miss Ella F. Roehl	8,085.02
Donations from friends, two of $100 each and one of $50	250.00
Henry B. Rogers Fund, a bequest from Henry B. Rogers	10,000.00
John H. Eastburn Fund, a bequest from John H. Eastburn	10,000.00
Mrs. Susan F. Eastburn Fund, a bequest from Mrs. Susan F. Eastburn	1,000.00
William B. Craft Fund, a bequest from William B. Craft	5,000.00

Emily W. Appleton Fund, a donation from Mrs. Emily W. Appleton . .	$1,000.00	
Charles R. Hayden Fund, a donation from Mrs. Annie Ruth Hayden . .	2,000.00	
Spaulding Fund, a donation of Mahlon D. and John P. Spaulding	10,000.00	
Shattuck Fund, a donation of Mrs. George C. Shattuck	500.00	
Joel Spalding Fund, a donation of Miss Sarah R. Spalding	3,000.00	
McGregor Fund, a bequest of Mrs. James McGregor	1,000.00	
Bartlett Fund, a bequest of Sidney Bartlett	10,000.00	
Jas. B. and Mary Dow Fund, a gift of Mary Dow, under the will of James B. Dow	5,000.00	
Elisha T. Loring Fund, a bequest of Elisha T. Loring	10,000.00	
Ellen M. Gifford Fund, part of a bequest of Ellen M. Gifford	10,000.00	
Turner Sargent Bed Fund, a bequest of Amelia Jackson Sargent	5,000.00	
Sarah E. Allen Fund, a bequest of Sarah E. Allen	5,000.00	
Wm. S. Dexter Fund, a donation of Wm. S. Dexter	1,500.00	
Wm. B. Spooner Fund, a bequest of Wm. B. Spooner	3,000.00	
Caroline Merriam Fund, a donation from Frank Merriam	1,000.00	
		$710,498.63

Income devoted to Beneficiaries at Asylum: —

Bromfield Fund, half of a bequest from John Bromfield	$20,000.00	
Read Fund, half of a bequest from Jas. Read	1,000.00	
Appleton Fund, $10,010 a bequest from Samuel Appleton, $20,000 being a donation from Wm. Appleton . .	30,010.00	
McGregor Fund, half of a donation and bequest from James McGregor . .	7,500.00	
Amount carried forward	$58,510.00	$710,498.63

Amount brought forward . . .	$58,510.00	$710,498.63
Austin Fund, part of a bequest from Mrs. Agnes Austin	5,000.00	
Kittredge Fund, a bequest from Rufus Kittredge	5,500.00	
Templeton Fund, half of a bequest from John Templeton	5,000.00	
Proctor Fund, a bequest from Mrs. Lydia P. Proctor	1,000.00	
Higginson Fund, a bequest from George Higginson	10,000.00	
Ellen M. Gifford Fund, part of a bequest from Ellen M. Gifford	5,000.00	
		90,010.00
Income devoted to Female Beneficiaries at Asylum: —		
Lincoln Fund, half of a bequest from Mrs. F. W. Lincoln		85,000.00
Income unrestricted: —		
Waldo Fund, a bequest from Daniel Waldo	40,000.00	
Blake Fund, a bequest from Stanton Blake	10,000.00	
		50,000.00
Income devoted to any purpose except buildings: —		
Redman Fund, a bequest from John Redman		455,113.34
Income devoted to a Triennial Prize: —		
Warren Prize Fund, a bequest from Dr. J. M. Warren		3,579.92
Income devoted to the Library:		
Treadwell Library Fund, part of a bequest from J. G. Treadwell		5,000.00
Income devoted to books for Patients: —		
Warren Library Fund, a donation from Dr. J. C. Warren		1,000.00

Income and Principal devoted to the publication of a history of the Hospital: —		
Bowditch History Fund, a bequest from N. I. Bowditch		$2,000.00
Income devoted to Amusements at the Asylum: —		
Amusement Fund, $5,000 a bequest from Miss Mary Louisa Shaw, $5,000 a donation from Mrs. Quincy A. Shaw and other ladies		10,000.00
Income devoted to special Surgical Instruments: —		
Surgical Instrument Fund, a donation from Dr. H. J. Bigelow, $1,250; donation of Mr. R. M. Moore, $100; donation of Lydia B. & O. A. Taft, $100; donation of Chas. S. Bixby, $25 .		1,475.00
Wooden Leg Fund: —		
A bequest from N. I. Bowditch, $5,000; donation of P. K., $100.		5,100.00
Convalescent Home Fund . .	$132,280.66	
Donation from George A. Gardner	5,000.00	
Donation from Miss Mary Russell	40.00	
Bequest of Elizabeth B. I. B. Dixwell	1,000.00	
Donation from Miss Helen C. Bradlee	500.00	
		138,820.66
Permanent Free Beds: —		
Miss Marion Hovey	$1,000.00	
Mrs. Fanny H. Morse	1,000.00	
Amount carried forward	$2,000.00	

Amount brought forward	$20,00.00	
Henry S. Hovey	1,000.00	
Edward Woodman	1,000.00	
Children of Mrs. Henry Winsor	1,000.00	
D. R. Whitney	1,000.00	
George Gardner	1,000.00	
Mrs. Nathaniel Thayer	1,000.00	
Edward F. Deland	1,000.00	
Mrs. Anna I. Phillips	1,000.00	
Miss Helen W. Faulkner	1,000.00	
Jordan, Marsh & Co.	1,000.00	
		$12,000.00
Redman Annuities		4,600.00
Clara Barton Annuity		3,241.00
Asylum Building Fund		236,608.18
G. H. Gay Fund		7,705.23
Dr. J. H. Whittemore Memorial Fund		33,720.00
S. R. Urbino Fund		5,000.00
Hibbard Occupation Fund		1,000.00
Samuel Cabot Fund for Pathological Investigation		2,000.00
Income devoted to Investigation in the Science of Medicine: —		
John Call Dalton and Edward Barry Dalton Fund, a donation from Charles H. and Henry R. Dalton		10,000.00
Add unused income at credit of		
Warren Prize Fund	$669.51	
Warren Library Fund	879.62	
Bowditch History Fund	175.75	
Surgical Instrument Fund	1,482.01	
Wooden Leg Fund	22.69	
Clara Barton Annuity	388.92	
Treadwell Library Fund	77.66	
Hibbard Occupation Fund	200.00	
Samuel Cabot Fund	595.00	
Dalton Fund	400.00	
		4,891.16
Total of Restricted Funds		$1,878,363.12

Dr.	TRIAL BALANCE, DECEMBER 31, 1891.	*Cr.*
Land and Buildings for Asylum	$320,794.75	
Land and Buildings for Hospital	619,524.42	
Land and Improvements at Belmont	91,595.11	
Annuities Receivable	160,000.00	
Insurance Stock	50,000.00	
Delaware Mutual Insurance Company's Scrip	550.00	
Manufacturing Stocks	47,400.00	
Bank Stocks	84,200.00	
Railroad Stocks	25,995.00	
Railroad Bonds	430,400.00	
City and Town Bonds	8,000.00	
Notes Receivable	162,167.50	
Real Estate, Productive	985,341.99	
Edward Cowles, Superintendent	29,558.72	
John W. Pratt, Resident Physician	25.89	
Balance, Cash, Dec. 31, 1891	9,028.51	
	$3,024,581.89	
Redman Fund	$455,113.34	
Warren Prize Fund	3,579.92	$ 669.51
Bowditch History Fund	2,000.00	175.75
Wooden Leg Fund	5,100.00	22.69
Clara Barton Annuity	3,241.00	388.92
Surgical Instrument Fund	1,475.00	1,482.01
Amusement Fund	10,000.00	
Free Bed Funds	710,498.63	
Warren Library Funds	1,000.00	879.62
Asylum Beneficiaries Funds	90,010.00	
Treadwell Library Funds	5,000.00	77.66
Lincoln Fund	85,000.00	
Funds with Income Unrestricted	50,000.00	
Permanent Free Beds Fund	12,000.00	
Asylum Building Fund	236,608.18	
G. H. Gay Fund	7,705.23	
Convalescent Fund	138,820.66	
Dr. J. H. Whittemore Memorial Fund	33,720.00	
S. R. Urbino Fund	5,000.00	
Samuel Cabot Fund	2,000.00	595.00
Hibbard Occupation Fund	1,000.00	200.00
Redman Annuities	4,600.00	
General Fund	1,136,918.77	
Notes Payable	4,500.00	
Subscribers to Free Beds for 1892	4,800.00	
Dalton Fund	10,000.00	400.00
	$3,019,690.73	$4,891.16
	4,891.16	
	$3,024,581.89	

Property on hand belonging to the Corporation invested as follows: —

INVESTMENTS PRODUCING NO INCOME.

Hospital: Land and Buildings occupied for Hospital	$619,524.42	
Resident Physician's balance	25.89	
Convalescent Home: Land and Buildings at Belmont	91,595.11	
Asylum: Land and Buildings occupied for Asylum	320,794.75	
Superintendent's balance	29,558.72	
		$1,061,498.89

INVESTMENTS PRODUCING INCOME.

Policies Mass. Hospital Life Ins. Co.	$160,000.00
500 shares Mass. Hospital Life Ins. Co.	50,000.00
$50,000 Eastern Railroad Co. 6 per cent. Bonds	50,000.00
$5,000 Boston & Albany Railroad Co. 7 per cent. Bonds	5,000.00
$60,000 Chicago, Bur. & Quincy R. R. 7 per cent. Bonds	60,000.00
$52,000 Chicago, Bur. & Quincy R. R. 5 per cent. Bonds	52,000.00
$10,000 Chicago, Bur. & Quincy R. R. 4 per cent. Bonds	10,000.00
$10,000 Chicago, Bur. & Northern R. R. 6 per cent. Bonds	10,000.00
$210,000 Atch., Topeka & Santa Fe R. R. 4 per cent. Bonds	168,000.00
$37,400 Bur. & Mo. River in Neb. R. R. non-ex. 6 per cent. Bonds	37,400.00
$4,000 Cedar Rapids & Mo. River R. R. 7 per cent. Bonds	4,000.00
$5,000 Bur., Cedar Rapids & Northern R. R. 5 per cent. Bonds	5,000.00
$3,000 Ft. Scott, So. Eastern & Mem. R. R. 7 per cent. Bonds	3,000.00
$10,000 Fremont, Elkhorn & Mo. Valley R. R. 6 per cent. Bonds	10,000.00
$16,000 Old Colony Steamboat 6 per cent. Bonds	16,000.00
$2,000 City of Providence 5 per cent. Bonds	2,000.00
$6,000 City of Kansas 8 per cent. Bonds	6,000.00
100 Shares Old Colony R. R. Co.	10,000.00
155 ,, Boston & Albany R. R. Co.	15,500.00
40 ,, ,, ,, ,, ,, ,, ,, (part payment)	495.00
14 ,, Merrimack Manufacturing Co.	14,000.00
1 Share Appleton ,, ,,	1,000.00
9 Shares Amory ,, ,,	900.00
14 ,, Amoskeag ,, ,,	14,000.00
25 ,, Great Falls ,, ,,	2,500.00
Amount carried forward	$706,700.00

	Amount brought forward	$706,700.00
5	Shares Boston Manufacturing Co.	5,000.00
10	,, Stark Mills ,, ,,	10,000.00
100	,, National Union Bank	10,000.00
100	,, Suffolk National Bank	10,000.00
70	,, Tremont ,, ,,	7,000.00
25	,, Old Boston ,, ,,	2,500.00
87	,, State ,, ,,	8,700.00
100	,, Columbian ,, ,,	10,000.00
160	,, Merchants' ,, ,,	16,000.00
50	,, New England National Bank	5,000.00
100	,, Massachusetts ,, ,,	10,000.00
50	,, Eagle ,, ,,	5,000.00
Land and Store, 17 Blackstone Street		19,600.00
,, ,, ,, 168 Washington Street		45,000.00
,, ,, House, 61 Dartmouth Street		10,000.00
Redman Estate, Washington Street		106,000.00
Building on Floral Place		46,794.41
Land and Stores, 496 to 500 Washington Street		173,719.30
Land and Houses on Warrenton Street		26,700.00
,, ,, ,, ,, Chambers Street		23,900.00
,, ,, ,, ,, Cross Street		9,191.64
,, ,, House ,, Poplar Place		2,500.00
Union Block, Union and Marshall Streets		66,875.00
Real Estate, Fruit Street and vicinity		99,201.49
Land and Buildings on Washington and Kneeland Streets		200,000.00
Land and Buildings 830 Washington Street		30,000.00
Land and Buildings 273 and 275 Washington Street		125,860.15
Notes secured by Mortgage		89,000.00
,, ,, ,, Collateral		73,167.50
Delaware Mutual Ins. Co. Scrip		550.00
Cash		9,028.51
	Investments producing income	$1,963,083.00
	Investments producing no income	1,061,498.89
Total, foot of Trial Balance		$3,024,581.89

F. HAVEN, Jr., *Treasurer.*

TABLE OF THE EXPENSES OF THE HOSPITAL AND ASYLUM FOR TEN YEARS, 1882 TO 1891,

ORDINARY EXPENSES.

Year.	Cost of Paying Patients.	Cost of Free Patients.		Total Expenses of		Average cost per week per patient.		Cost over Board.	
	Hospital.	Hospital.	Convalescent Home.	Hospital.	Asylum.	Hospital.	Asylum.	Hospital.	Asylum.
1882	$12,947.98	$95,642.45	$8,928.82	$117,519.25	$138,518.26	$12.43	$17.02	$95,684.95	$18,172.21
1883	18,389.28	90,665.70	6,575.92	115,630.90	139,711.39	12.63	16.16	91,213.57	5,376.89
1884	21,476.00	101,954.31	6,873.69	130,304.00	139,201.67	14.75	16.00	107,974.18	2,612.02
1885	10,728.87	93,411.59	8,483.90	112,624.36	140,278.86	11.99	15.72	87,464.96	
1886	13,423.09	99,054.20	10,831.84	123,309.13	144,374.33	12.50	15.94	96,986.71	5,805.42
1887	15,337.90	105,543.61	9,856.94	130,738.45	139,497.70	12.56	16.35	105,012.17	15,049.93
1888	15,594.88	119,634.59	10,785.86	146,015.33	139,178.98	13.47	15.98	112,220.05	7,788.28
1889	15,612.47	131,216.80	10,737.64	146,829.27	146,574.09	13.64	16.51	122,005.14	10,255.79
1890	15,477.68	112,249.71	10,263.22	127,727.39	152,219.98	12.41	16.83	98,289.40	13,769.98
1891	14,348.39	121,314.88	10,185.65	135,663.27	151,419.67	12.54	16.81	110,568.08	12,511.94

Annual Report of the Resident Physician.

TABLE No. 1.

Number of Patients in the Hospital January 1, 1892.

Paying	24
Free	182
Total	206

Admitted from January 1, 1891, to January 1, 1892.

	Males.	*Females.*	*Total.*
Patients paying board	246	179	425
Patients paying board part of the time	123	89	212
Patients entirely free	1,512	1,054	2,566
	1,881	1,322	3,203
Medical			1,171
Surgical			2,032
Children			52

Of these, 62 paid $50; 2 paid $35; 3 paid $25; 65 paid $21; 5 paid $15; 71 paid $14; 4 paid $12; 197 paid $10.50; 150 paid $10; 46 paid $7; 28 paid $5; 1 paid $4; 2 paid $3.50; 1 paid $3.25.

Whole number of patients treated during the year. paying, 449; paying part of the time, 212; free, 2,748; total, 3,409.

Discharged during the Year.

	Medical.	*Surgical.*	*Male.*	*Female.*	*Total.*
Well	448	949	827	573	1,400
Much relieved	241	36	135	142	277
Relieved	246	659	560	345	905
Not relieved	65	41	68	38	106
Not treated	34	191	92	133	225
Dead	117	154	191	77	268
Insane and eloped	4	3	5	2	7
	1,155	2,033	1,878	1,310	3,188

Number of Patients remaining December 31, 1891.

Males	115
Females	91
Total	206

Number of Patients remaining December 31, 1891.

Paying	24
Free	182
Total	206
Medical	81
Surgical	125
Total	206

Proportion of deaths to whole number of results, 8.40 per cent.

Number of patients received on account of accidents, 595.

The greatest number of paying patients at any one time was 36; in private rooms, 8; the greatest number of free patients, 204; the greatest total, 233. The least number of paying patients at any one time was 9; in private rooms, 1; the least of free, 158; the least total, 175.

The proportion of ward beds occupied by free patients was 81 per cent.; by paying patients, 19 per cent.

About 9.73 of the paying patients occupied private rooms. The average number of patients was 208: males, 118; females, 90.

The average number of paying patients was 22; Americans, 17; foreigners, 5.

The average number in private rooms, 3.

The average number of free patients was 186; Americans, 94; foreigners, 92.

The average time of paying patients was 2.66 weeks; and that of free patients, 3.76.

TABLE No. 2.

Residences.

Boston	963
Massachusetts (excepting Boston)	1,960
Maine	50
New Hampshire and Vermont	121
Rhode Island and Connecticut	43
Other States	46
British Provinces	20
	3,203

TABLE No. 3.

Birthplaces.

Boston	173
Massachusetts (excepting Boston)	964
Maine	183
New Hampshire	135
Vermont	54
Rhode Island and Connecticut	55
New York	39
Southern and Western States	60
Total Americans	1,663
British Provinces	380
Great Britain	198
Ireland	725
Germany	69
Norway and Sweden	68
France	9
Switzerland	6
Italy	25
Other places	60
Total foreigners	1,540

TABLE NO 4.

Occupations.

Males.	*Paying.*	*Free.*	*Partial.*
Minors	8	156	7
Mechanics	61	349	35
Laborers	9	380	16
Farmers	21	76	13
Seamen	14	68	10
Clerks	26	107	13
Teamsters	10	71	7
Traders	25	74	13
Servants	11	72	9
Lawyers	6	3	
Clergymen	6	6	
Physicians	5	3	
Merchants	31	60	
Students	10	31	
Other professions	4	100	
	247	1,511	123

Total males, 1,881. Of these 49 were in private rooms.

Occupations.

Females.	*Paying.*	*Free.*	*Partial.*
Minors	9	87	5
Domestics	11	316	12
Wives	115	390	38
Widows	10	50	19

Occupations.

Females.	*Paying.*	*Free.*	*Partial.*
Seamstresses	4	21	4
Spinsters	4	14	
Operatives	4	31	
Teachers		13	
Clerks	3	41	
Nurses	3	21	
Other professions	16	71	11
	179	1,055	89

Total females, 1,323. Of these 13 were in private rooms.

TABLE NO. 5.

Out-patients.

Number of new patients	25,819
Men	11,726
Women	9,681
Children	4,412
Americans	12,701
Foreigners	13,118
Residents of Boston	12,941
Of other places	12,878
Medical department for women	4,830
Medical department for men and children	5,006
Surgical department	8,805
Ophthalmic department	957
Department for diseases of skin	2,776
Department for diseases of nervous system	1,134
Department for diseases of the throat	2,311

Total attendance, 49,032.

Average daily attendance, 163.

Number of applicants	20,229
Number admitted	18,851
Number refused	347
Number sent to physician's office	1,031
Number visited	1,231
Number visited, correct statement	805
Number visited, incorrect statement	426

TABLE NO. 6.

Convalescent Home.

Admitted in 1888	397
Admitted in 1889	431
Admitted in 1890	367

	Males.	*Females.*	*Total.*
Remaining Jan. 1, 1891	12	6	18
Admitted during 1891	227	141	368
Total	239	147	386
Discharged	228	137	365
Remaining Jan. 1, 1892	11	10	21

TABLE No. 7.

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS AT THE MASSACHUSETTS GENERAL HOSPITAL, FROM JANUARY 1, 1882, TO DECEMBER 31, 1891.

Year.	Total admitted.	Free.	Paying board all the time.	Paying part of the time.	Whole number treated.			Discharged well.	Percentage on "Total admitted."	Much relieved, or relieved in part.	Not relieved.	Not treated, unfit, dismissed, etc.	Deaths.	Percentage on "Total admitted."	Greatest number free at one time.	Greatest number paying at one time.	Greatest total.	Least total.	Average.	Accidents.	Average time of paying weeks.	Average time of free weeks.	Patients remaining under treatment Dec. 31.		Out-patients treated.
					Paying board.	Paying board part of time.	Free.																Paying.	Free.	
1882	2147	1736	399	12	414	12	1876	1312	61	463	59	13	177	8 13	167	35	195	143	168	348	2.84	4.41	24	141	16304
1883	2020	1492	449	79	473	79	1633	1286	63	378	61	108	181	8.93	168	49	189	143	168	432	2.75	4.80	32	128	7102*
1884	2096	1667	382	47	448	47	1815	1318	62	367	68	137	191	9.11	159	40	186	129	165	397	3.	4.14	19	148	14824
1885	2327	1910	371	46	382	46	2044	1584	68	361	73	129	192	8.25	166	26	184	147	167	443	2.38	4.08	11	134	17016
1886	2580	2124	392	64	409	64	2283	1689	65	411	64	175	192	7.44	178	30	206	133	173	471	2.78	3.72	17	159	17925
1887	2814	2340	429	45	447	45	2523	1694	60	565	89	173	245	8.70	196	40	217	150	185	490	2.90	3.57	18	183	18981
1888	3256	2549	553	154	570	154	2731	2021	61	640	100	210	277	8.50	194	42	215	156	193	496	2.16	3.46	17	182	19472
1889	3419	2825	500	94	514	94	3016	2034	59	669	110	300	285	8.33	205	29	227	170	207	530	2.28	3.40	14	191	22939
1890	3381	2546	581	254	599	254	2719	1880	55	874	101	241	278	8.13	200	37	225	158	198	601	2.14	3.55	18	173	22545
1891	3203	2566	425	212	449	212	2748	1400	43	1182	106	225	268	8.36	204	36	233	175	208	595	2.69	3.76	24	182	

*Out-patient Department open only five months.

Total of patients in wards, from the year 1821, 83,753.

Total of out-patients, 411,369.

TABLE No. 8.

TABLE SHOWING THE COST OF THE PRINCIPAL STORES AT THE MASSACHUSETTS GENERAL HOSPITAL.

Articles.	1889.			1890.			1891.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, Sirloin, lbs.	11,703	$2,171.52	.18	10,740	$2,176.92	.20	8,675	$1,953.10	.22½
,, Corned, ,,	7,886	551.42	.07	8,291	570.00	.06¾	8,511	666.46	.07¾
,, Round, ,,	37,530	2,684.10	.07	35,902	2,600.76	.07	35,479	2,838.08	07¾
,, Rump, ,,									
,, Roasting, ,,	18,750	1,745.45	.09	18,290	1,662.88	.09	18,460	1,882.20	.10
Mutton . . . ,,	13,658	1,554.94	.11⅜	12,886	1,490.28	.11	12,504	1,449.67	.11¾
Poultry . . . ,,	17,294	2,925.32	.16¾	15,339	2,303.71	.15	15,196	2,219.53	.14
Butter . . . ,,	15,721	4,268.10	.27	15,130	3,969.63	.26⅜	16,315	4,474.38	.27½
Eggs . . . doz.	12,104	3,243.48	.26¾	11,959	3,289.27	.27½	11,961	3,001.98	.25½
Flour . . . bbls.	106	731.90	6.90	107	647.50	6.05	113	690.45	6.11
Bread . . lbs.	35,080	1,929.42	.055	33,560	1,845.81	.05½	38,705	2,128.78	1.055
Ice tons	486.35	1,738.18	3.55	268,097	1,362.31	5.08	282.69	565.39	2.00
Sugar . . . lbs.	26,840	2,206.11	.08	28,165	1,853.38	.06¾	28,140	1,404.34	.049¾
Tea lbs.	1,272¼	512.32	.40	1,270	471.88	.37	1,193	410.36	.34
Milk . . . qts.	153,984½	8,128.55	.055	151,477	7,771.94	.051	171,418	7,821.21	.045
Potatoes . . bush.	1,232½	1,087.64	.88	1,280	1,476.52	1.15	1,200	1,383.93	1.15

The Young Men's Christian Union gave us twenty-five rides, taking out two hundred patients.

Respectfully submitted,

JOHN W. PRATT,

Resident Physician.

BOSTON, Jan. 1, 1892.

The Massachusetts General Hospital is a private, not a public institution.

Applications for admission of patients must be made at the Hospital on Blossom Street, Boston, on week-days, between the hours of 9 and 11 A. M. and 2 and 3 P. M.

Recent accidents admitted at all hours.

Out-patients received between 9 and 10 A. M., week-days only.

Applications from a distance must be made in writing, accompanied by a full description of the case by the attending physician, and, when a Free Bed is desired, by a statement of the pecuniary condition of the patient, and a reply should be awaited before sending the patient.

Contagious and chronic diseases are not admitted.

Regular charges to paying patients are as follows: in the Jackson Ward (private), $50 per week; in small room in the Townsend and Bigelow Wards, $25 per week; in the General Wards, $10 per week.

These rates, covering only expenses of board and lodging, may be increased or abated in individual cases by the Resident Physician.

An ambulance, accompanied by a medical officer, will be dispatched to any point within the city proper for the conveyance of cases of *accident* or *urgent sudden sickness, not contagious*, to this Hospital, or elsewhere, upon notice from a physician, the police, or other responsible source, subject to the approval of the undersigned.

In cases requiring gratuitous treatment, no charge will be made.

JOHN W. PRATT,
Resident Physician.

Rules for the Dalton Scholarship established under the John Call Dalton and Edward Barry Dalton Fund for promoting Investigation in the Science of Medicine.

Article I. Candidates shall be nominated to the Board of Trustees by the Hospital Staff, with recommendations for the information of the Board. They shall be either House Pupils of the Hospital or graduates of a regular American Medical College.

Art. II. The nature of the work in medical investigation proposed to be prosecuted by each candidate shall be designated.

Art. III. Scholars shall be appointed by the Board from among the candidates named.

Art. IV. Scholars shall be under the supervision of the Staff, and the Staff shall, whenever it thinks desirable, report to the Board any dissatisfaction it may feel as to the work or methods of scholars, and the Board may act in the premises as in the case of House Pupils.

Art. V. The results of work of scholars shall appertain to the Hospital; and when made public, the name of the scholar shall accompany the publication; but no publication shall be made unless recommended by the Staff and approved by the Board.

Art. VI. Should the work of a scholar extend through a part of a year only, he shall be entitled to a proportionate share of income.

Art. VII. When the income is insufficient, appointments for the year may be omitted.

Art. VIII. Any income not used shall be cumulative and not added to the principal.

Art. IX. Scholars shall be eligible for renomination and reappointment.

ANNUAL REPORT (SEVENTY-FOURTH)

OF THE

SUPERINTENDENT OF THE McLEAN ASYLUM.

The following report, with tabular statements relating to the number and condition of the patients treated in the Asylum during the year 1891, is respectfully presented:—

TABLE No. 1.

GENERAL STATISTICS OF THE YEAR.

	Males.	Females.	Total.
Patients in the Asylum, Jan. 1, 1891 . . .	88	96	184
Admissions within the year	53	66	119
Whole number of *cases* within the year . .	141	162	303
Discharged within the year	56	69	125
Namely,— as Recovered	16	17	33
Much improved	8	14	22
Improved	9	9	18
Unimproved	10	18	28
Not insane	3	1	4
Deaths	10	10	20
Patients remaining Dec. 31, 1891, supported as private patients, . . .	85	93	178
Number of different *persons* within the year,	137	161	298
,, ,, ,, ,, admitted . . .	51	65	116
,, ,, ,, ,, recovered . .	15	18	33
Daily average number of patients	83.05	88.58	171.63

During the year, one man was admitted three times and one woman twice. Two men present at the beginning of the year were discharged and re-admitted. Thus there were three hundred and three cases treated, representing two hundred and ninety-eight persons.

Of the one hundred and sixteen persons admitted during the year, sixty-four were regarded as recent cases, and fifty-two as chronic, or incurable.

Eighty-nine persons, thirty-nine men and fifty women, had never been in any hospital. Of the remaining twenty-seven persons, seventeen, four men and thirteen women, were admitted for the second time; seven persons, six men and one woman, for the third time; three persons, one man and two women, for the fourth time; and one man for the twenty-seventh, twenty-eighth, and twenty-ninth times.

In 1891 there were four less admissions, twelve more discharges, and six more cases under treatment than during the year 1890; and the number present was six less at the end than at the beginning of the year.

Of the one hundred and twenty-four persons discharged, including deaths, eighteen, six men and twelve women, were transferred or committed to other hospitals in this State, and two men and one woman to hospitals in other States.

Of the thirty-three persons discharged recovered, twenty had never before been inmates of any hospital; and of the remaining thirteen persons, ten had been in this Asylum, one in a private asylum in this State, and two in State asylums. These thirteen persons had previously made fifteen recoveries.

The average duration of illness from the beginning of attack in all cases recovered was 12.35 months, and the average duration of their residence in the Asylum was 6.58 months.

The percentage of recoveries on all admissions, of persons accounted as insane, for the year 1891, was 28.45. The medical work of the year maintained the activity of recent years.

The voluntary cases admitted during the year numbered forty. These represented thirty-nine persons,— ten men and twenty-nine women. Of these, twenty-seven were cases of melancholia, three of

mania, three of delusional insanity, one of secondary dementia, two of paralytic, one of epileptic insanity, and two of general paralysis. Of these thirty-nine persons, four were committed after entering the Asylum as voluntary cases, and one was twice admitted as a voluntary case. The forty voluntary cases admitted during the year with forty-one such cases remaining from previous years furnished eleven recoveries. Thus the voluntary patients have yielded 28.2 per cent. of recoveries on the admissions of that class for 1891, thus furnishing only their due proportion of all the recoveries. Of this class, six other cases were discharged much improved, ten improved, six not improved, four not insane, and one dead. The total remaining under the voluntary relation at the end of the year is thirty-nine persons, seventeen men and twenty-two women.

The number of persons admitted as voluntary patients under the present law is as follows: namely, 1881, 1; 1882, 11; 1883, 33; 1884, 49; 1885, 34; 1886, 29; 1887, 29; 1888, 34; 1889, 41; 1890, 58; 1891, 40; — a total of 359 persons in eleven years.

There is much significance in the fact that nearly three fourths of the voluntary patients in the last year were cases of melancholia. This presents the least serious degree of mental disorder; there is retention of intelligence that leads to the seeking or acceptance of remedial conditions in hospital care, and the doubtful cases, for whom preventive aid is most salutary, are mainly to be found in this stage of mental disease. The voluntary cases constituted almost exactly one third of the admissions for the year, while nearly one half in the previous year were voluntary.

A number of interesting facts are brought out by these results of the year's work, that help to explain each other. There were not so many strictly recent

cases as in 1890,— the average duration of illness of recovered cases was 12.35 months against an average of 8.31 months in the previous year,— the average hospital residence of these cases was one month longer, and the proportion of recoveries to the cases admitted was less. Consistent with these results is the lessening in number of voluntary cases, and evidence of the general fact is shown that the wards were filled with sicker people than in the year before, who were the subjects of active hospital care. There is apparent an increasing tendency to confide to the Asylum the care of elderly people whose bodily and mental troubles can be alleviated by the assiduous attentions of trained nurses Such cases are the proper subjects of the best hospital work that can be done for them, although recovery is rarely to be hoped for.

The work of the Laboratory for pathological and experimental investigations has been pursued steadily during the year. The latter work, with reference to its clinical relations, has grown more interesting and gives increasing promise of its value. The progress of such work is, from its nature, slow, but some special results are about to be published in an article by Dr. Noyes in the forthcoming number of the *American Journal of Psychology*. The general bearing of the work is in the direction of an elucidation of the phenomena attendant upon conditions of debility and fatigue of the nervous system, including vaso-motor variations and the periodical mental states of exaltation and depression in certain cases of mental disease. A series of investigations has also been begun in chemical pathology, the present purpose being an inquiry, through urinary analysis, as to the relations between certain common mental symptoms and toxic influences resulting from disorders of nutrition and

elimination. The general purpose of this extension of the laboratory work, in connection with clinical observations, is to better determine the therapeutic measures applicable to the relief of mental disease. The opportunities for strictly pathological investigations presenting special interest have been unusually limited during the year but the work has been kept up. It is intended to publish the reports of the Laboratory work in the form of papers on special subjects, from time to time.

A special report of the Training School for Nurses will be found in the Appendix. The purposes of the school are stated, the course of instruction, and how to make application for admission.

The men's gymnasium, after a year's use, has proved to be of great value as an addition to the means of recreation. Its convenience of access from the wards, its rooms for reading, smoking, and cards, billiards, and bowling, are regularly frequented by day and evening. It is practically a gentlemen's club.

The men in the Training School for Nurses form classes in physical training, under the charge of a competent instructor in the Swedish system, and the work is developing in the direction of the more extended employment among the patients of general and medical gymnastics as a means of treatment. In the women's gymnasium similar results continue to be gained, as they have been during the last four years. The patients derive both benefit and entertainment from the gymnastics adapted to their needs, either in classes or individually. The teachers for both men and women are from the Boston Normal School of Gymnastics.

It may be said of the methods that have been introduced here for improvement in medical and scientific work, that while they are good in themselves for their

present effects, they have been undertaken under certain difficulties of limited space, appliances, etc., in a tentative and experimental way. The idea is to determine by such experiments, how to plan the new buildings at Belmont to best suit them for all these purposes. The general end in view is obvious as to the improvement of the medical and nursing service, and of construction, etc., to best meet modern requirements. As a special example of this it can now be seen how a more effective laboratory might be built. Each gymnasium also should be made larger and more attractive as a place for entertainment and pleasant occupation. Each of these should be well fitted with appliances for the practice of physical exercise, and with complete bathing arrangements, including the Turkish bath, etc., for all the special purposes of a hospital for nervous and mental diseases. While there is a greatly increasing need of new buildings, in a better place, for all the obvious requirements of such a hospital, the opportunity is anxiously awaited for the development of the newer methods of scientific work now being suggested by the progress of the time to all who are engaged in this department of medicine.

It is a pleasure to make the annual acknowledgment of favors and benefits received from our friends whose kind interest and sympathy are appreciated with sincere gratitude by our patients and all who have the duty of caring for them.

Very respectfully,

EDWARD COWLES,

Medical Superintendent.

TABLE No. 2.

MONTHLY ADMISSIONS, DISCHARGES, AND AVERAGES.

Months.	Admissions.			Discharges (including Deaths).			Daily Average of Patients in the House.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
January . .	5	2	7	3	3	6	85.84	92.55	178.39
February . .	3	6	9	1	4	5	86.50	91.64	178.14
March . . .	9	6	15	4	8	12	90.68	90.71	181.39
April . . .	4	3	7	6	7	13	89.60	86.73	176.33
May	3	4	7	6	5	11	84.16	84.52	168.68
June . . .	4	10	14	8	4	12	81.73	86.43	168.16
July . . .	3	9	12	4	7	11	80.39	88.32	168.71
August . .	4	3	7	6	4	10	79.84	89.16	169.00
September .	2	7	9	3	12	15	78.37	86.87	165.24
October . .	4	7	11	4	3	7	76.55	85.35	161.90
November .	8	6	14	6	6	12	82.13	90.77	172.90
December .	4	3	7	5	6	11	80.90	89.90	170.80
Total *cases* .	53	66	119	56	69	125	83.05	88.58	171.63
Total *persons*	51	65	116	55	69	124			

TABLE No. 3.

RECEIVED ON FIRST AND SUBSEQUENT ADMISSIONS.

Number of the Admission.	Cases admitted.			Times previously recovered.		
	Males.	Females.	Total.	Males.	Females.	Total.
First	39	50	89	1	3	4
Second	4	13	17	.. .	11	11
Third	6	1	7	7		7
Fourth	1	2	3	3	3	6
Twenty-seventh . .	1		1			
Twenty-eighth . .	1		1			
Twenty-ninth . .	1		1	26		26
Total of *cases* . .	53	66	119	37	17	54
Total of *persons* .	51	65	116			

These 54 recoveries represent 21 persons, 14 having recovered one, 4 two, 2 three, and 1 twenty-six times.

TABLE No. 4.

AGES OF PERSONS ADMITTED FOR THE FIRST TIME.

Ages.	At first attack of Insanity.			When Admitted.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital,	..	..	..	..	..	..
From 15 to 20 years,	3	4	7	2	2	4
,, 20 ,, 25 ,,	3	3	6	2	3	5
,, 25 ,, 30 ,,	2	2	4	3	3	6
,, 30 ,, 35 ,,	5	8	13	5	8	13
,, 35 ,, 40 ,,	6	8	14	7	7	14
,, 40 ,, 50 ,,	7	10	17	7	10	17
,, 50 ,, 60 ,,	2	7	9	2	8	10
,, 60 ,, 70 ,,	7	5	12	6	6	12
,, 70 ,, 80 ,,	4	3	7	5	3	8
Total of *persons* . .	39	50	89	39	50	89

TABLE No. 5.

PARENTAGE OF PERSONS ADMITTED.

Place of Nativity.	Males.		Females.		Total.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine	10	10	5	7	15	17
New Hampshire	8	8	12	9	20	17
Vermont	3	2	1	1	4	3
Massachusetts	13	14	25	25	38	39
Rhode Island	1	1	..	..	1	1
Connecticut	..	..	1	1	1	1
New York	3	3	2	3	5	6
District of Columbia	..	..	..	1	..	1
Virginia	..	..	1	..	1	..
Illinois	..	..	1	2	1	2
Sweden	1	1	..	..	1	1
England	1	1	..	..	1	1
Ireland	5	5	6	6	11	11
Nova Scotia	1	1	4	5	5	6
New Brunswick	1	1	1	1	2	2
Canada	..	..	1	1	1	1
Scotland	1	1	1	1	2	2
Germany	2	2	3	2	5	4
France	1	1	..	..	1	1
India	..	..	1	..	1	..
Total of *persons*	51	51	65	65	116	116

TABLE No. 6.

RESIDENCE OF PERSONS ADMITTED.

Places.	Males.	Females.	Total.
Massachusetts:—			
Suffolk County	11	18	29
Middlesex County	23	21	44
Essex County	2	4	6
Norfolk County	5	3	8
Plymouth County	3	3	6
Worcester County	..	2	2
Duke's County	..	1	1
Hampden County	..	1	1
Maine	3	2	5
New Hampshire	1	2	3
Vermont	3	..	3
Rhode Island	1	1	2
Connecticut	..	2	2
New York	1	2	3
Pennsylvania	..	2	2
Illinois	..	1	1
Nova Scotia	..	1	1
Total of *cases*	53	66	119
Total of *persons*	51	65	116

TABLE No. 7.

CIVIL CONDITIONS OF PERSONS ADMITTED.

Number of the Admission.	Unmarried.			Married.			Widowed.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First	13	19	32	23	20	43	3	11	14
Second	2	6	8	2	4	6	..	3	3
Third	3	1	4	3	..	3	..	..	..
Fourth	1	2	3	..	..	..	..	..	..
Twenty-seventh	1	..	1	..	..	..	..	..	..
Twenty-eighth	1	..	1	..	..	..	..	..	..
Twenty-ninth	1	..	1	..	..	..	..	..	..
Total *cases*	22	28	50	28	24	52	3	14	17
Total *persons*	20	27	47	28	24	52	3	14	17

TABLE No. 8.

OCCUPATIONS OF PERSONS ADMITTED.

Occupations.	Males.	Females.	Total.
Housewife	..	34	34
Clerk	4	3	7
Manufacturer	2	..	2
Farmer	4	..	4
Florist	1	..	1
Teacher	2	5	7
Lawyer	1	..	1
Physician	2	..	2
Student	2	..	2
Civil Engineer	1	..	1
Merchant	6	..	6
Broker	1	..	1
Printer	1	..	1
Painter	1	..	1
Druggist	1	..	1
Actor	1	..	1
Hotel-keeper	2	..	2
Artist	..	1	1
Constable	1	..	1
Concreter	1	..	1
Overseer stone works	1	..	1
Shoemaker	1	..	1
Weaver	..	1	1
Fireman	1	..	1
Janitor	1	..	1
Teamster	2	..	2
Sailor	1	..	1
Seamstress	..	2	2
Laborer	2	..	2
No occupation	8	19	27
Total of *persons*	51	65	116

TABLE No. 9.

REPORTED DURATION OF INSANITY BEFORE LAST ADMISSION.

Previous Duration.	First Admission to any Hospital.			All other Admissions.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital .	..	..	..	..	..	..	..	..	..
Under 1 mo. .	11	10	21	5	3	8	16	13	29
Fr. 1 to 3 mo.,	5	16	21	1	2	3	6	18	24
,, 3 ,, 6 ,,	10	5	15	1	4	5	11	9	20
,, 6 ,,12 ,,	4	4	8	..	2	2	4	6	10
,, 1 ,, 2 yrs.,	1	7	8	3	3	6	4	10	14
,, 2 ,, 5 ,,	6	6	12	1	1	2	7	7	14
,, 5 ,,10 ,,	1	1	2	2	..	2	3	1	4
,, 10 ,,20 ,,	1	1	2	..	1	1	1	2	3
,, 20 ,,25 ,,	..	..	..	1	..	1	1	..	1
Total *cases* .	39	50	89	14	16	30	53	66	119
Total *persons*	..	..	..	12	15	27	51	65	116
Average of known persons (in years),	1.01	.98	.99	3.38	1.31	2.23			

TABLE No. 10.

FORM OF DISEASE IN THE CASES ADMITTED.

Form of Disease.	Males.	Females.	Total.
Melancholia, acute	12	30	42
Melancholia, chronic	..	7	7
Mania, acute	17	13	30
Mania, recurrent	..	1	1
Toxic Insanity	1	..	1
Delusional Insanity	3	4	7
Paralytic Insanity	1	2	3
Senile Insanity	5	3	8
Epileptic Insanity	1	..	1
Dementia, primary	2	1	3
Dementia, secondary	2	2	4
General Paralysis	8	2	10
Hebephrenia	1	1	2
Total of *cases*	53	66	119
Total of *persons*	51	65	116

TABLE No. 11.

ALLEGED CAUSES OF INSANITY IN PERSONS ADMITTED.

Causes.	Males.	Females.	Total.
Mental.			
Grief	..	3	3
Anxiety	6	4	10
Overstudy	2	4	6
Physical.			
Ill-health	3	4	7
Neurasthenia	1	3	4
Overwork	7	6	13
Constitutional	5	4	9
Change of life	..	10	10
Childbirth	..	1	1
Acute Disease	1	..	1
Cerebral Hæmorrhage	1	1	2
Injury to Head	2	..	2
Traumatic	2	..	2
Uterine	..	2	2
Syphilis	1	..	1
Sunstroke	2	..	2
Surgical Operation	..	2	2
Puberty	..	1	1
Intemperance	3	..	3
Masturbation	1	..	1
Old Age	3	1	4
Unknown	13	20	33
Total of *cases*	53	66	119
Total of *persons*	51	65	116

TABLE No. 12.

RELATION TO HOSPITALS OF THE PERSONS ADMITTED.

	Males.	Females.	Total.
Never before in any Hospital	39	50	89
Former inmates of this Hospital	1	10	11
Former inmates of other Hospitals in this State:—			
Danvers	1	..	1
Private Asylum	1	1	2
Westborough	1	..	1
Taunton	..	2	2
Former inmates of Hospitals in other States	2	3	5
Former inmates of this Hospital and of other Hospitals in this State:—			
South Boston	1	..	1
Danvers	2	..	2
Former inmates of this Hospital and of Hospitals in other States	5	..	5
Total of *cases*	53	66	119
Total of *persons*	51	65	116

TABLE No. 13

DISCHARGES CLASSIFIED BY ADMISSION AND RESULT.

Admission.	Recovered.			Much Improved.			Improved.			Unimproved.			Not Insane.			Died.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First	10	10	20	4	13	17	7	8	15	7	12	19	3	1	4	8	10	18	39	54	93
Second	4	5	9	1	1	2	2	1	3	1	4	5				2		2	10	11	21
Third	1	2	3	1		1	..			1	1	2							3	3	6
Fourth	1	...	1						...	1	1	2							2	1	3
Twenty-seventh . .				1		1													1		1
Twenty-eighth . .		.. .		1		1													1		1
Total of *cases* . . .	16	17	33	8	14	22	9	9	18	10	18	28	3	1	4	10	10	20	56	69	125
Total of *persons* . .	16	17	33	7	14	21	9	9	18	10	18	28	3	1	4	10	10	20	55	69	124

TABLE No. 14.

CASES DISCHARGED RECOVERED.—DURATION.

Period.	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 mo. .	7	6	13	2	..	2	1	..	1
Fr. 1 to 3 mo.,	2	5	7	4	4	8	3	2	5
,, 3 ,, 6 ,,	2	3	5	5	9	14	1	6	7
,, 6 ,, 12 ,,	1	2	3	5	2	7	6	5	11
,, 1 ,, 2 yrs.,	..	1	1	..	1	1	1	3	4
,, 2 ,, 5 ..	4	..	4	..	..	..	4	..	4
,, 5 ,, 10 ,,	..	..	..	..	1	1	..	1	1
Total *cases* .	16	17	33	16	17	33	16	17	33
Total *persons* .	16	17	33	16	17	33	16	17	33
Average of known cases (in months).	9.23	2.88	8.80	4.55	8.25	6.58	13.78	11.15	12.35

TABLE No. 15.

CASES RESULTING IN DEATH.—DURATION.

Period.	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 mo. .	1	..	1	3	1	4	..	..	..
Fr. 1 to 3 mo.,	..	5	5	..	3	3	..	1	1
,, 3 ,, 6 ,,	1	1	2	..	2	2	1	3	4
,, 6 ,, 12 ..	2	2	4	1	..	1	..	1	1
,, 1 .. 2 yrs.,	1	..	1	3	2	5	2	..	2
,, 2 ,, 5 ..	3	2	5	1	..	1	3	3	6
,, 5 ,, 10 ,,	2	..	2	1	..	1	2	..	2
,, 10 ,, 15 ..	..	..	..	1	1	2	1	1	2
,, 15 ,, 20 ,,	..	..	..	..	1	1	1	1	2
Total	10	10	20	10	10	20	10	10	20
Average of known cases (in months).	28.35	9.05	18.70	32.92	38.97	35.95	60.87	48.02	54.45

TABLE No. 16.

CASES DISCHARGED BY RECOVERY OR DEATH.

Form of Insanity.	Recoveries.			Deaths.		
	Males.	Females.	Total.	Males.	Females.	Total.
Melancholia, acute . .	9	7	16	..	..	..
Melancholia, chronic .	7	9	16	1	4	5
Mania, acute	..	1	1	2	1	3
Delusional Insanity . .	..	..	..	2	2	4
Senile Insanity . . .	..	..	..	2	..	2
General Paralysis . .	..	..	..	3	3	6
Total of *cases*	16	17	33	10	10	20
Total of *persons* . . .	16	17	33	..	..	..

TABLE No. 17.

CAUSES OF DEATH.

Causes.	Males.	Females.	Total.
Cerebral Disease.			
General Paralysis	3	3	6
Cerebral Hæmorrhage	1	..	1
Exhaustion from Melancholia	1	3	4
Exhaustion from Senile Insanity	1	..	1
Other Causes.			
Chronic Interstitial Nephritis	1	1	2
Cellutitis	1	..	1
Cancer of Stomach	..	1	1
Pneumonia	1	..	1
Dysentery	..	2	2
Fracture of Spine	1	..	1
Totals	10	10	20

TABLE No. 18.

RECOVERIES, CLASSIFIED BY RESULTS OF PREVIOUS ADMISSIONS.*

Number of the Admission.	Recovered.			Much Improved.			Not Improved.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Second	2	3	5	..	..	..	..	..	..	2	3	5
Third	1	2	3	..	..	..	..	..	..	1	2	3
Fourth	1	..	1	..	..	..	..	..	..	1	..	1
Total of *cases*	4	5	9	..	..	..	..	..	..	4	5	9
Total of *persons*	4	5	9	..	..	..	..	..	..	4	5	9

*This classification is based upon the result of the admission next preceding the last, in each case respectively.

TABLE No. 19.

DEATHS, CLASSIFIED BY DURATION OF INSANITY AND OF TREATMENT.

Period.	Duration of Insanity.			Whole known period of Hospital Residence.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital	..	..	..	..	..	..
Under 1 month	..	..	..	3	1	4
From 1 to 3 mos.	..	1	1	..	3	3
,, 3 ,, 6 ,,	1	3	4	..	1	1
,, 6 ,, 12 ,,	..	..	..	1	1	2
,, 1 ,, 2 yrs.	2	1	3	3	2	5
,, 2 ,, 5 ,,	4	3	7	1	..	1
,, 5 ,, 10 ,,	1	..	1	1	..	1
,, 10 ,, 15 ,,	1	1	2	1	1	2
,, 15 ,, 20 ,,	1	1	2	..	1	1
Total	10	10	20	10	10	20
Average of known cases (in months)	59.20	48.62	53.91	31.75	39.27	35.51

TABLE No. 20.

AGES OF THOSE WHO DIED.

Ages.	At time of the first Attack.			At time of Death.		
	Males.	Females.	Total.	Males.	Females.	Total.
From 15 to 20 yrs.	..	1	1	..	..	..
,, 30 ,, 35 ,,	..	2	2	..	2	2
,, 35 ,, 40 ,,	1	..	1	..	..	..
,, 40 ,, 45 ,,	3	3	6	3	1	4
,, 45 ,, 50 ,,	..	..	..	..	2	2
,, 50 ,, 60 ,,	1	4	5	2	3	5
,, 60 ,, 70 ,,	3	..	3	1	1	2
,, 70 ,, 80 ,,	2	..	2	3	1	4
,, 80 ,, 90 ,,	..	..	..	1	..	1
Total	10	10	20	10	10	20

TABLE No. 21.

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS AT THE McLEAN ASYLUM FOR TEN YEARS.

Years.	Admitted.	Discharged.	Whole No. under care.	Died.	Much improved, etc.	Recov'd.	Remaining at end of year.	Average No. of Patients
1882	82	70	237	8	36	26	167	156
1883	109	111	276	17	57	37	165	164
1884	113	103	278	17	52	34	175	166
1885	95	100	270	17	46	37	170	171
1886	93	96	263	14	46	36	167	169
1887	75	78	242	17	35	26	164	160
1888	105	103	269	23	37	43	166	164
1889	113	105	279	16	56	33	174	168
1890	123	113	297	11	58	44	184	173
1891	119	125	303	20	72	33	178	171

Total number of admissions from the year 1818, 7,549.

TABLE No. 22.

TABLE SHOWING THE COST OF PRINCIPAL STORES AT McLEAN ASYLUM.

Articles.	1889.			1890			1891.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef lbs.	87,083	$9,466.79	.1080	76,613	$8,545.25	.1115	81,656	$9,651.80	.1182
Mutton and Lamb ,,	29,610	2,726.74	.0920	27,802	2,817.36	.10	21,849	2,194.25	.10
Veal ,,	14,588	1,495.02	.1024	12,983	1,317.05	.1015	11,405	1,154.26	.1012
Poultry ,,	18,357	3,164.15	.171	21,137	3,436.46	.162	17,709	2,828.92	.159
Ham, etc. ,,	12,496	1,345.02	.107	12,717	1,345.78	.105	12,727	1,320.07	.103
Eggs doz.	11,267	2,436.84	.216	12,278	2,666.49	.217	12,534	2,698.53	.215
Lard lbs.	2,740	240.62	.087	3,788	282.67	.074	3,100	283.20	.091
Flour bbls.	500	2,961.23	5.92	543	2,918.84	5.375	554	3,146.62	5.679
Butter lbs.	19,958	4,358.62	.218	21,164	5,004.93	.231	20,399	5,174.90	.253
Coffee ,,	3,410	856.73	.251	3,536	900.14	.254	3,689	982.08	.266
Tea ,,	1,282	360.38	.280	1,377	335.00	.243	1,634	396.81	.242
Sugar ,,	32,293	2,500.20	.077	31,276	1,962.89	.063	31,824	1,577.05	.049
Lights, Gas, etc. feet		3,006.90			3,178.34			3,221.45	
Coal tons	$1,249\frac{1630}{2000}$	7,335.82	5.873	$1,113\frac{570}{2000}$	6,232.48	5.598	$1,608\frac{1110}{2000}$	8,515.42	5.293
Wood cords							$10\frac{1}{2}$	89.25	8.50
Ice tons	$473\frac{1600}{2000}$	1,673.47	3.532	$409\frac{1700}{2000}$	2,102.10	5.128	$423\frac{1300}{2000}$	847.30	2.00

NINTH ANNUAL REPORT

OF THE

McLEAN ASYLUM TRAINING SCHOOL FOR NURSES.

In the year 1891, twelve years were completed since the preparatory work of founding this school was begun, and nine years since its formal organization in 1882. There were graduated in the last year fifteen women and seven men, making the total product of the school, from the beginning, one hundred and sixteen nurses,— eighty-five women and thirty-one men. The following table gives some interesting facts as to the working of this school system, showing the present condition of the service, and what has become of the product of the school.

	Women.	*Men.*
Number of graduates in 9 years	85	31
Graduates remaining in the service	14	6
Pupils in Boston Training School	7	
Previously graduated at Boston Training School	8	
Superintendents of nurses, other hospitals	4	
Employed in other institutions	4	4
Engaged in private nursing	31	12
Married and left the profession	14	1
At home	8	
Deceased	1	1
Medical students		5
In other business		2
Pupils now in this school	34	27

It should be understood that this school, in the asylum department of the Massachusetts General Hospital, is an entirely independent organization from that of the Boston Training School in the general hospital department. The relation between the schools is simply that a woman graduate of either one may, if she wishes, apply for admission to

the other, and may take an additional course of one year and get the full certificate of the training there upon passing the required examinations. So far no hospital nurse has chosen to take the additional training in the asylum, but as stated in the above table, eight of our nurses have taken the course at the hospital, and seven others are now pupils there. Two others are going through the school at the Johns Hopkins Hospital. With such extra training these nurses gain the highest qualifications for teaching, and taking charge of schools in hospitals for the insane. The growing appreciation of this fact is shown by the increasing demand for such specially trained nurses, who give also the promise of executive ability, to aid in establishing the new schools that are being planned in many places throughout the country.

The table above given shows how the products of the asylum school will be distributed, and stands as an excellent demonstration of the predictions made in this matter at the time of the founding of this school. A sufficient proportion of the qualified nurses,—one third of the whole number is enough — will remain in the service to be head nurses and teachers of practical work in the wards. The major part of the work is done by pupils at a less cost for wages than where training is not given as the principal part of the compensation. The pupils are thus carefully taught to do things in the right way from the beginning. It is entirely for the benefit of the school and the service of the sick that nearly all of every annual class of nurses eventually go away, and do not remain to clog the service, for it is the activity of the work of teaching that keeps up the interest of all concerned in the perfecting of the training. The efficiency of the training in general nursing is demonstrated by the success of these nurses in private work, as the most of them do not take the one year's course in the general hospital. The general effect of the training is educational, in the broadest sense, while it tends to add to the general knowledge of the public special information in general and mental hygiene, so that it is to the benefit of the public that many should eventually go into other business or marry and carry their knowledge into domestic life. Thus the liberal use of the public money expended in improving the nursing care of the insane not

only operates in lessening the cost of their support through better curative results, but it is an investment that brings great returns to the public good. Such schools in the State hospitals are entitled to the fostering care of the State as much and for like reasons, as any schools; they properly have a place in the general system of public school instruction, and are not solely professional or trade schools, although they have great value in this regard.

It now begins to be proved, wherever such schools exist, that there need be no fear of educating too many such nurses; that they will be quickly absorbed in the public life is to the good fortune of the hospitals. The more this education is given, the better it will be appreciated, and the more it will be wanted. For many years to come the supply will continue to create the demand, but there will eventually be a better adjustment in this regard, so that the educated nurse will be within the reach of the people in the smaller towns and country places.

It should not detract from the promotion of asylum schools that it is argued in some quarters that their nurses must be much inferior in the knowledge of general nursing to those of the well-conducted hospital schools. It has never been claimed that the former can have the same practical skill that only experience gives, in some particulars, as in surgical nursing, for example. On this point there is something to be said, however, in favor of asylum schools. They are newly founded and are making improvements every year in their teaching of general nursing just as the hospital schools did in the beginning; the schools of the great general hospitals can only furnish a very small part of the nurses that need to be provided at a less cost for the country at large, and the supply must come from other sources; and it is not a question of thorough didactic instruction in the asylums without practical experience, as contrasted with the latter in the general hospitals. The proper organization of infirmary and "hospital" wards in the many great asylums affords a good field for that practical instruction. It is claimed, therefore, that nurses can be well trained in the asylums; and that, moreover, they are especially qualified by that training to readily acquire knowledge and skill from experience in private

nursing under the direction of the physician. As a matter of fact they do very generally prove acceptable as general nurses immediately on leaving the asylum schools, of course being more successful in medical cases.

The training of nurses should be promoted in every possible way in every asylum; they should be taught all that they can be of general nursing. There should be no stint of encouragement of this great reform in the nursing of the insane, because somewhere else, in some particulars, some things can be better taught; for the asylums can, by the proper teaching that it is their duty to give in the prosecution of their own work, produce good, general nurses, and make better men and women of their attendants.

These things are not said with the idea that anyone would discourage instruction in general nursing in asylum schools. But it is because the views are still too commonly held as to the supposed inadequacy of their training that are the same views which so long stood in the way of beginning this asylum reform, and because in the promotion of that reform, which is only now made possible by better nursing, it is necessary to hold up to all asylum authorities the just expectation that worthy results will follow from their liberal support of this system of training, and to show that instruction in general as well as special nursing must be broadly given, and by well-qualified teachers. It is true to say that those will be best fitted for such teaching who, other things being equal, have had some part of their preparation in a general hospital.

McLEAN ASYLUM TRAINING SCHOOL FOR NURSES.

The Trustees of the Massachusetts General Hospital, having established at the McLean Asylum for the Insane a school for nurses, offer to give to men and women desirous of becoming professional nurses a two years' course of training in general nursing, with special reference to the care of cases of nervous and mental disease.

Those wishing to receive such a course of instruction must apply to the Superintendent of the McLean Asylum, Somerville, Mass.

The most desirable age for candidates is from twenty one to thirty-five years. *They must be in sound health, and must send with their application a certificate from a physician certifying to the fact; also, one from some responsible person as to their good character and good health.* Upon the recommendation of the Superintendent of the Asylum and the approval of the Trustees, they will be received for two months on probation, at the expiration of which time they will, if accepted, sign an agreement to complete the prescribed course of two years.

The Superintendent of Nurses has charge of the Training School, under the authority of the Superintendent of the Asylum and of the Board of Trustees; and the nurses are subject to the rules of the Asylum. Their fitness for the work and the propriety of retaining or dismissing them at the end of the two months of trial are determined by the authorities in charge of the School, under the direction of the Trustees; and the same authorities can in like manner discharge them at any time in case of misconduct or inefficiency. They reside in the Asylum, and serve as assistant nurses in its wards.

All nurses are required to be intelligent, trustworthy, kind, and cheerful.

The instruction includes the general care of the sick; the managing of helpless patients in bed; in moving, changing bed and body linen, making of beds, etc.; giving baths, keeping patients warm or cool, preventing and dressing bed sores; bandaging, applying of fomentations, poultices, and minor dressings; the preparing and serving of food, the feeding of helpless patients and those who refuse food; the administering of enemas and use of the catheter; attendance upon pa-

tients requiring diversion and companionship ; the observation of mental symptoms, delusions, hallucinations, delirium, stupor, etc., and the care of excited, violent, and suicidal patients.

They are also given instruction in the best practical methods of supplying fresh air, warming and ventilating sick-rooms in a proper manner, and are taught to take proper care of rooms and wards, in keeping all utensils perfectly clean and disinfected, etc. ; to observe the sick accurately in regard to the state of the secretions, pulse, breathing, skin, temperature, sleep, appetite, effect of diet, of stimulants, and medicine ; the giving of massage ; and the managing of convalescents.

Instructions will also be given in the modern methods of physical training, by the use of free movements and the usual apparatus, in a gymnasium provided for the patients. The nurses are taught the medical application of physical exercise. Each nurse is required to have a gymnasium costume ; the material for the dress will be furnished, at moderate cost, by the Asylum.

The instruction is given by the Superintendent of the Training School, and by the Supervisors and Head Nurses. Lectures and demonstrations will be given at stated periods by the Asylum Medical Staff. Examinations, chiefly upon practical points, take place from time to time.

The pupils are employed as assistant nurses in the wards of the Asylum. Women will be paid twelve dollars ($12) per month during the first year, and fifteen dollars ($15) per month during the second year, for their clothing and personal expenses. Their education during this time is considered as compensation for their services. Men will be paid twenty-three dollars ($23) per month during the first year, and twenty-five ($25) per month during the second year. These are the former rates not yet reduced to the Training-School system. Women graduates will be paid twenty-five dollars ($25) per month, and thirty dollars ($30) per month thereafter ; men graduates twenty-seven dollars ($27) and thirty dollars ($30) per month, according to length of service.

The men and women are required to wear at all times, while on duty in the wards, the Asylum uniform.

When the full term of two years is completed, the nurses thus trained receive (after final examinations) diplomas certifying to their period of training, their proficiency and good character.

The right is reserved to terminate the connection of any nurse or pupil with the School, for any reason which may be deemed sufficient.

A female graduate of this School, who wishes to have additional practical experience and instruction in general nursing, has the privilege, under certain restrictions, of entering the Boston Training School for Nurses at the Massachusetts General Hospital. Such graduates will, after one year's satisfactory study, receive the diploma from that School, in addition to the diploma received from the McLean Asylum Training-School.

COURSE OF INSTRUCTION.

JUNIOR YEAR.

A Manual for Hospital Nurses *Domville.*
Physiology and Hygiene (to the Nervous System) . *Hutchison.*
Notes on Fever Nursing *Allan.*
A Text-book of Nursing *Weeks.*
What To Do First in Emergencies *Dulles.*
Accidental Injuries *Cantlie.*
Practical Instruction in Massage (twelve lessons).
Physical Training (thirty lessons).
Instruction in the Wards by the Supervisor and Superintendent of Nurses.
A Lecture each week, First Assistant Physician.

SENIOR YEAR.

Physiology and Hygiene (completed) *Hutchison*
A Text-book of Nursing (completed) *Weeks.*
A Short Manual for Monthly Nurses *Cullniworth.*
Notes on Surgery for Nurses *Bell.*
Hand-book for Hospitals (selections),
State Charities Aid Association, N. Y.
How to care for the Insane *Granger*
Hand-book for the Instruction of Attendants on the Insane,
Sub-Com. British Med.-Psych. Association.
Practical Instruction in Cooking (six lessons).
Physical Training (thirty lessons).
Instruction in the wards by the Supervisor and Superintendent of Nurses.
A Lecture each week, Superintendent.

ORDER OF EXERCISES, 1890–1891.

WOMEN.

Monday.

4.15 P. M.	Senior Class, Recitation . . .	Miss WOODWARD.
7.00 P. M.	Junior Class, Recitation . . .	Miss LEACH.
8.00 P. M.	Junior Class (1st. Div.), Massage,	Miss WOODWARD.
8.00 P. M.	Junior Class (2d Div.), Massage .	Mrs. PIERCE.

Tuesday.

4.15 P. M.	Senior Class, Lecture	Dr. COWLES.

Thursday.

11.00 A. M.	Graduates, Review, etc. . . .	Miss WOODWARD.

2.00 P. M.	Senior Class (1st or 2d Div.), Cooking	Mrs. DEARBORN.
Thursday.		
4.15 P. M.	Junior Class, Lecture	Dr. TUTTLE.
7.00 P. M.	Junior Class, Instruction in Physical Training	Miss BARTLETT.
8.00 P. M.	Junior Class (3d Div.), Massage,	Miss WOODWARD.
8.00 P. M.	Junior Class (4th Div.), Massage,	Mrs. PIERCE.
Saturday.		
11.00 A. M.	Senior Class, Instruction in Physical Training	Miss BARTLETT.
4.15 P. M.	Junior Class (1st and 2d Div., on alternate weeks from Feb. 1), Care of Sick Patients in Bed, Poulticing, Bandaging, etc. .	Miss LEACH.

MEN.

Monday.		
4.15 P. M.	Junior Class, Recitation . . .	Dr. FULLER.
7.30 P. M.	Senior Class, Instruction in Physical Training	Mr. RYDER.
Tuesday.		
11.00 A. M.	Senior Class (1st or 2d Div., from Feb. 18) Massage	Dr. TUTTLE.
4.15 P. M.	Senior Class, Lecture	Dr. COWLES.
Wednesday.		
4.15 P. M.	Junior Class, Lecture	Dr. TUTTLE.
Thursday.		
11.00 A. M.	Junior Class (1st and 2d Div., on alternate weeks, from Feb. 11), Bandaging	Dr. FULLER.
2.00 P. M.	Senior Class (1st or 2d Div.), Cooking	Mrs. DEARBORN.
4.15 P. M.	Junior Class, Instruction in Physical Training	Mr. RYDER.
Friday.		
11.00 A. M.	Junior Class (1st and 2d Div., on alternate weeks, from Feb. 12), Care of Sick Patients in Bed, Poulticing, etc. . . .	Mr. WEBBER.
4.15 P. M.	Senior Class, Recitation . . .	Dr. FULLER.

OFFICERS OF THE INSTITUTION

1892.

President.

CHARLES H. DALTON.

Vice-President.

JOHN LOWELL.

Treasurer.

FRANKLIN HAVEN, JR., 28 STATE STREET.

Secretary.

THOMAS B. HALL, 75 STATE STREET.

Trustees.

SAMUEL ELIOT, *Chairman*, 44 Brimmer Street.
* FREDERICK L. AMES, 96 Ames Building.
* CHARLES V. BEMIS, Medford, Mass.
EDMUND DWIGHT, 50 State Street.
WILLIAM ENDICOTT, JR., 32 Beacon Street.
* DAVID P. KIMBALL, 35 Congress Street.
THORNTON K. LOTHROP, 27 Commonwealth Avenue.
* THOMAS E. PROCTOR, 127 South Street.
NATHANIEL THAYER, 50 State Street.
DAVID R. WHITNEY, 85 Devonshire Street.
HENRY P. WALCOTT, 13 Beacon Street.
ROGER WOLCOTT, 53 Tremont Street.

* Appointed by the Governor of the Commonwealth.

Board of Consultation.

ALGERNON COOLIDGE, M. D.
FRANCIS MINOT, M. D.
MORRILL WYMAN, M. D.
GEORGE C. SHATTUCK, M. D.
RICHARD M. HODGES, M. D.
SAMUEL L. ABBOT, M. D.
GEORGE G. TARBELL, M. D.

STANDING COMMITTEES.

Admitting Asylum Patients.

Messrs. DWIGHT and WHITNEY.

Finance.

Messrs. ENDICOTT and KIMBALL.

Accounts and Expenditures.

Messrs. Wolcott, Thayer, and Lothrop.

Buildings and Repairs.

Messrs. Dwight, Eliot, and Whitney.

Free Beds.

Messrs. Proctor and Whitney.

The General Library and Warren Fund.

Messrs. Eliot and Bemis.

Book of Donations.

Dr. Bemis.

Nominations.

Messrs. Eliot, Wolcott, Lothrop, and Thayer.

New Asylum and Grounds.

Messrs. Dalton, Dwight, Eliot, Endicott, Ames, and Walcott.

VISITING COMMITTEES.

January and July.

Messrs. Whitney and Ames.

February and August.

Messrs. Bemis and Proctor.

March and September.

Messrs. Wolcott and Kimball.

April and October.

Messrs. Endicott and Lothrop.

May and November.

Messrs. Dwight and Walcott.

June and December.

Messrs. Eliot and Thayer.

LADIES' VISITING COMMITTEE.

January and February.

Mrs. N. Thayer. Mrs. F. L. Ames. Mrs. E. V. R. Thayer.

March and April.

Mrs. J. Arthur Beebe. Miss Ida G. Beal.

Miss Bessie H. Lyman.

May.

Mrs. J. C. Gray. Mrs. T. E. Proctor. Mrs. S. Eliot.

June and July.

Miss Jeanie L. Motley.

November and December.

Mrs. H. W. Haynes. Miss A. W. Morrill.

OFFICERS OF THE HOSPITAL.

Resident Physician.

John W. Pratt, M. D.

Visiting Physicians.

Wm. L. Richardson, M. D. — Frederick C. Shattuck, M. D.
Edward N. Whittier, M. D. — Reginald H. Fitz, M. D.
Elbridge G. Cutler, M. D. — William W. Gannett, M. D.

Visiting Surgeons.

Charles B. Porter, M. D. — John Homans, M. D.
John Collins Warren, M. D. — Arthur T. Cabot, M. D.
Henry H. A. Beach, M. D. — Maurice H. Richardson, M. D.

Physicians to Out-Patients.

Charles P. Strong, M. D. — George M. Garland, M. D.
Herman F. Vickery, M. D. — James T. Minot, M. D.
Harold C. Ernst, M. D. — Charles W. Townsend, M. D.

Surgeons to Out-Patients.

John W. Elliot, M. D. — Samuel J. Mixter, M. D.
Frank B. Harrington, M. D. — Otis K. Newell, M. D.
William M. Conant, M. D. — Charles L. Scudder, M. D.

Physician to Out-Patients with Diseases of the Skin.

James C. White, M. D.

Physicians to Out-Patients with Diseases of the Nervous System.

James J. Putnam, M. D. — George L. Walton, M. D.

Physicians to Out-Patients with Diseases of the Throat.

Frederick I. Knight, M. D. — S. W. Langmaid, M. D.
Franklin H. Hooper, M. D.

Ophthalmic Surgeon to Out-Patients.

Oliver F. Wadsworth, M. D.

Aural Surgeon.

J. Orne Green, M. D.

Pathologist.

Reginald H. Fitz, M. D.

Chemist.

Edward S. Wood, M. D.

Artist.

Henry P. Quincy, M. D.

MEDICAL AND SURGICAL ASSISTANTS.

Assistant Pathologist.

WILLIAM F. WHITNEY, M. D.

Assistants for Diseases of the Nervous System.

HENRY C. BALDWIN, M. D. CYRUS F. CARTER, M. D.

Assistant to Ophthalmic Surgeon.

FREDERICK E. CHENEY, M. D.

Assistants for Diseases of the Throat.

ALGERNON COOLIDGE, JR., M. D. J. PAYSON CLARK, M. D.

FREDERICK C. COBB, M. D.

Assistant for Diseases of the Skin.

JOHN T. BOWEN, M. D.

Medical House Pupils, 1891–92.

ARTHUR C. JELLY. JAMES M. JACKSON.

Surgical House Pupils, 1891–92.

WILLIAM L. SMITH. HOWARD A. LOTHROP.

WILLIAM BROOKS, JR. EDWARD A. PEASE.

Matron.

G. L. STURTEVANT.

Superintendent of Nurses.

MARIA B. BROWN.

Apothecary.

WILLIAM A. CAMERON.

OFFICERS OF THE McLEAN ASYLUM.

Medical Superintendent.

EDWARD COWLES, M. D.

1st Assistant Physician.

GEORGE T. TUTTLE, M. D.

2d Assistant Physician. *Assistant Physician and Pathologist.*

DANIEL H. FULLER, M. D. WILLIAM NOYES, M. D.

House Pupils.

GILMAN D. FROST. WALTER F. SAWYER.

FOLLEN CABOT, JR.

Superintendent of Nurses and Matron.

LUCIA E. WOODWARD.

Supervisors.

CHARLES E. WEBBER. THERESA G. LEACH.

Apothecary.

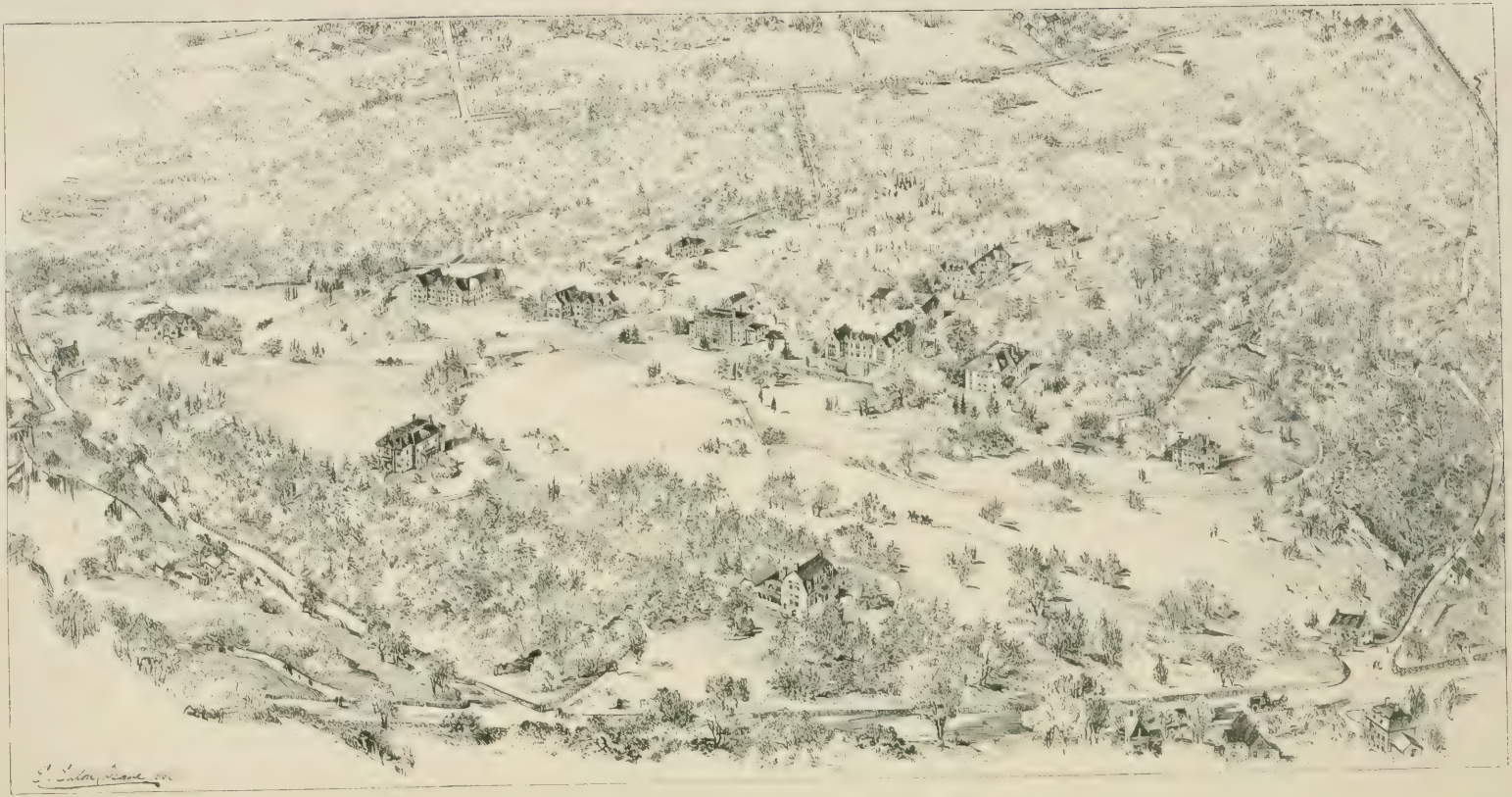
FRANK W. ADAMS.

Purveyor.

JOHN P. BRADBURY.

Clerk.

F. E. GILBERT.



McLEAN HOSPITAL WAVERLEY MASS.

SEVENTY-NINTH ANNUAL REPORT

OF THE

TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

AND

McLEAN HOSPITAL

1892

BOSTON
L. BARTA & CO., PRINTERS, 148 HIGH STREET
1893

SEVENTY-NINTH ANNUAL REPORT OF THE TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

For the year 1892.

THE Committee appointed by the Board of Trustees to prepare the annual report of that Board to the Corporation and to examine the accounts of the Treasurer and the reports of the other officers respectfully submit the following report: —

The expenses for the year 1892 and for 1891, added for purpose of comparison, have been,—

	1892.	1891.
On account of the Hospital,	$151,996.87	$135,663.27
„ „ „ McLean Hospital,	158,120.75	151,419.57
„ „ „ Convalescent Home,	11,396.18	10,185.65
Total,	$321,513.80	$297,268.59
These expenses have been met by charges to patients	171,100.96	166,032.92
Income from various funds . . .	116,041.32	104,416.86
Subscription for Free Beds . . .	12,698.00	13,198.00
From profits of Massachusetts Hospital Life Insurance Company	10,000.00	10,000.00
Deficit drawn from General Fund	11,673.52	3,620.81

Examination of the accompanying reports shows an increase in the cost of caring for the Hospital patients, beyond the proportional increase of the numbers so cared for. Of the 3,325 patients admitted to the Hospital from January 1, 1892, to January 1, 1893, 713 paid board, in whole or in part; of the 3,203 so admitted in the year 1891, 637 paid

in whole or in part. In the year 1890 the patients in wards were 3,381 ; of these 835 paid in whole or in part. So that there does not seem to have been any substantial improvement in the numbers of those able or willing to pay for their maintenance in the Hospital. When it is remembered that the cost of hospital care is steadily increasing, and must of necessity still further increase, and that the sum of money accepted by the Trustees for the care of a patient in the general wards is $10 per week, being, for the year past, $4.54 less than the average weekly cost of maintaining such patient; it becomes evident, either that the funds for free beds must be increased, or that the use of the Hospital must be more closely restricted to those able to pay its charges.

The authorities of the Hospital make as careful scrutiny as is possible of the persons presenting themselves for admission to its wards and encourage whenever they can the effort on the part of the latter to contribute something towards defraying their hospital expenses. But the cases in which the charities of the institution are seriously imposed upon must be very few, and the Trustees do not believe that any restriction greater than that now practised in the admission of free patients can be enforced without a degree of hardship and suffering which this community has not hitherto been willing to witness.

The McLean Hospital appears from the Treasurer's statement to be more nearly self-sustaining than the Hospital. The expenses were $158,120.75 and the amount charged to patients was $143,571.61 — the difference between these two amounts was reduced by income from various Hospital funds to $3,448.54 and this sum has been charged to the General Fund.

The following donations and legacies have been received during the year: —

Donation of Samuel Cabot and Arthur T. Cabot to the "Samuel Cabot Fund for Pathological Investigation"	$485.00
Bequest of Mrs. Elizabeth B. Bowditch, unrestricted	5,000.00
Bequest of Mrs. Elizabeth B. Bowditch, for Convalescent Home	5,000.00
Donation of Miss Helen C. Bradlee, "Income to be used to make more comfortable women patients of the McLean Hospital who have known better days"	50,000 00
Bequest of Charles W Faulkner to be called "The Charles W. Faulkner Fund," income unrestricted	2,940.00
Donation for a fund to be called the "Stephen P. H. May Fund," income for free beds . .	1,000 00

It will be remembered that the Hospital has already a monument of Miss Bradlee's generosity in the Bradlee Ward and Theatre; and it will be seen upon a later page of this report that Mr. George P. Upham proposes to build on the grounds at Waverley a house, complete in all its appointments, for nine patients.

The number of children treated in the wards of the Hospital during the year was less than in the year 1891. If the smaller number is the result of a belief that the Hospital does not wish to undertake the care of children, the Trustees desire to again say that children are willingly received, and to express the opinion that both the old and the young gain something from each other in the peculiar associations of the Hospital.

No new buildings have been added to the Hospital, but Wards C and D have been thoroughly repaired during the year; a new dining-room for the nurses has been made in the centre, and a medical lecture room in the rotunda.

The well-proved usefulness of the Bradlee ward has, naturally, drawn attention to some of the defects in the older operating amphitheatre, and there seems now no good reason for hesitating to give to general surgery the safeguards that have been found so effectual in the special departments to which the Bradlee ward is assigned.

In all the recent reports of the Trustees, allusion has been made to one of the great needs of the Hospital, a ward for contagious diseases.

The appeal to the public for the purpose of securing the means to erect such a building had already been written when it was learned that a benefactor, who desires, for the present at least, to remain unknown, had offered to provide the Hospital with a ward for contagious diseases. The arrangement for its construction is so generous that the Trustees now feel that this most serious defect in our Hospital administration can be fully relieved.

The Warren Memorial Prize of $500 was awarded by the Medical and Surgical Staff of the Hospital to John Strahan, M. D., of Belfast, Ireland, for his essay on "Rickets."

In March Dr. Reginald H. Fitz resigned his position as Pathologist to the Hospital; and later in the year Dr. Wm. F. Whitney, Assistant Pathologist, was elected to the place. Dr. Fred. I. Knight resigned as physician to out-patients with diseases of the throat, and was subsequently elected to the Board of Consultation.

In October, Dr. S. W. Langmaid, physician to out-patients with diseases of the throat, resigned, and Dr. Algernon Coolidge, Jr., was elected to one of the vacancies in this department.

Dr. Franklin H. Hooper, physician to out-patients with diseases of the throat, died November 22, and

on the 20th of November the Trustees placed upon their records the following minute: —

"The Trustees of the Massachusetts General Hospital desire to place on record an expression of their appreciation of the valuable services of Dr. Franklin H. Hooper, as a member of the Hospital Staff; of their recognition of his eminent professional gifts, of his skill, ability, and zeal, and of the modesty which accompanied these; of their respect for the fortitude and patience which he exhibited in his painful illness, and of their regret at his death in the full maturity of his powers, and in the midst of a career of ever-increasing honor to himself and usefulness to others."

The continued extension of the field occupied by modern surgery has made it necessary to add two more to the number of surgical house pupils, and they now number six.

The report of the Superintendent of the McLean Hospital contains much that is encouraging with regard to the work of that division of the institution, and shows that, in spite of the many disadvantages in its surroundings, the Hospital has worthily sustained its reputation.

The Trustees are at last free to proceed with the development of the new establishment at Waverley. An agreement has been made for the sale of the buildings and lands of the Asylum at Somerville to the Boston & Lowell Railroad Corporation. The McLean Hospital has, in the three quarters of a century of existence, passed through all the stages in the history of the treatment of the insane. At its foundation it rescued the unfortunate lunatic from a state of hopeless misery; it has given him with each succeeding year the larger help that medical skill and increasing resources in every direction have made available. But the changes that have taken place in the vicinity

of the Asylum have long since made removal to a more secluded locality essential; the situation at Waverley is unsurpassed in suitable and attractive qualities. To enable the establishment, however, in its new home to maintain the position it has hitherto held, and to bring all the improvements of modern medicine to the diseased mind, will yet require liberal additions to the fund for new buildings and to the resources for their maintenance. In recognition of the present broader views upon the subject of insanity and its treatment, the title of McLean Asylum has been changed to McLean Hospital.

Additional land with serviceable house and barn adjoining the estate at Waverley has been purchased at an expense of $8,000. On March 30, it was voted to proceed to the erection of two buildings at Waverley to represent the Belknap and the Appleton buildings on the old site at an estimated cost of $288,-622.00, including furniture and stable. At the same meeting a note from Mr. George P. Upham was read offering to erect at Waverley, in memory of his son, George P. Upham, Jr., under the direction of his own architect, a building similar to that known as the Appleton Ward for men at Somerville; the offer was gratefully accepted, and the building is in course of construction.

The accounts of the Treasurer for the year 1892 have been examined and found correct.

HENRY P. WALCOTT,
EDMUND DWIGHT,

Committee of Trustees.

REPORT OF THE COMMITTEE ON NEW ASYLUM AND GROUNDS TO THE TRUSTEES.

The Committee on New Asylum and Grounds begs leave to report progress in the performance of the duty assigned to them.

Thirteen meetings of the Committee for the transaction of business have been held during the year.

Two buildings corresponding to the Women's Appleton and Belknap, have been built on the Hospital grounds at Waverley and are now receiving their inside finish. The plans for these buildings were drawn by Messrs. Fehmer & Page, and the contract for construction was taken by Messrs. Connery & Wentworth for $110,424.

Mr. George P. Upham having made the McLean Hospital the generous gift of a Men's Appleton building, to be called the Upham Memorial Building, plans were prepared by Mr. W. Y. Peters, approved by the Committee, and accepted by the Trustees. The contract for construction was taken by Messrs. Norcross Bros., but owing chiefly to delay caused by the strike of the granite cutters, all work above the cellar walls has been postponed till next spring when it will be vigorously pushed.

Plans for the Administration Building, prepared by Messrs. Shepley, Rutan & Coolidge, of the Women's Intermediate, of the Stable and two Gate Lodges, by Messrs. Fehmer & Page, have been accepted by the Trustees, and working drawings and specifications for the contractors are in progress.

Messrs. Shaw & Hunnewell have been asked to prepare plans for the Men's Intermediate and Bowditch, Messrs. Shepley, Rutan & Coolidge, for the Men's Belknap, Kitchen, Laundry, and Laboratory,

and Messrs. Fehmer & Page for the Women's Bowditch.

Of nine principal buildings, being four for each wing, with the Administration building including kitchen and laundry, one has been given to the Hospital, two are erected and in process of finishing. Of two more the plans have been accepted by the Trustees and the architects are preparing for bids from the contractors. Of four others the plans are still in the architects' offices.

Of these nine buildings, four, being the whole women's side, will be designed by Fehmer & Page, two by Shepley, Rutan & Coolidge, two by Shaw & Hunnewell, and one by W. Y. Peters.

The outside work on the Belknap and Appleton Buildings is finished, with the exception of the window sashes, doors, and balustrades of the verandas. The interiors are nearly ready for plastering.

Plans for heating, power, and electric plant are well advanced under the advice of Col. Levi R. Greene and C. J. H. Woodbury as consulting engineers. Plans and specifications for wiring for electric light the two buildings now erected (Appleton and Belknap), having been made by Messrs. Stone & Webster, the contract for the work has been taken by the General Electric Co. for $2,985, the two competing bids being $3,900 and $4,133.70.

Plans for the water supply have been made by Marshall M. Tidd, as engineer. All the 6 in. and 8 in. pipe required has been contracted for with the McNeal Pipe & Foundry Co., Burlington, N. J., at $25.50 per ton delivered on board cars at Waverley. The contract amounts to about $2,500. An iron standpipe 45 feet high by 25 diameter, holding 150,000 gallons, or four days' supply, has been contracted for with the Cunningham Iron Works, South Boston, for

$3,970. The surface of the water in this pipe when full will stand about 45 feet higher than the roof of the highest building.

The following statement from Mr. Curtis shows in detail the amount of work done under his direction, and the cost.

Description of work done on the grounds of the McLean Hospital at Waverley for the year ending December 10, 1892.

From the sites of the Administration Kitchen, and Laboratory, Upham, Women's Belknap and Appleton there was removed,—

1,774 cu. yds. of loam at 26 cts. per yd.	$ 461.24
5.875 „ „ „ subsoil at 28 cts. to 32 cts per yd.	1,774 40
26 „ „ boulders at $1.50	39 00
1,973 „ „ ledge at $1.75	3.452 75
Grading around buildings by day's work and general work on the grounds	392.59
2,193 ft. of finished road cost	3,826.95
4.016 „ „ unfinished „ „	2,544 45
Water supply for Upham Building cost	262 44
200 ft. of Terrace Wall in front of Women's Belknap cost	541.00
Land drains and drainage cost	402 99
236 ft. of 8-in. sewer cost	408.80
Engineering cost	1,630.05
	$15,736.66

FROM JOS. H. CURTIS.

JAN. 21, 1893.

The accounts of the Treasurer show that $58,400.72 has been charged to the Building Fund during the past year, of which $40,000 has been paid Messrs Connery & Wentworth on account of work done on the buildings, and about $15,000 for roads, walls, grading, drains, and excavation of cellars. Messrs. Fehmer & Page have received $2,500 on account of their commission. The balance of $900.72 is made up of several small items.

Plans for water supply contemplate using the water from springs on our own land as far as it will go, and to draw upon the Watertown Water Works for the rest.

For sewerage, it is possible that acting in concert with the town of Belmont, connection may be made with the Metropolitan sewer. If not, the sewage may be disposed of under the surface of our own land. But as we should eventually join the Metropolitan system, the Committee is impressed with the advantage of avoiding the expense of a system which would be but temporary.

EDMUND DWIGHT,

Secretary.

Feb. 1, 1893.

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DESCRIPTION OF THE NEW McLEAN HOSPITAL.

The grounds of the hospital are in the town of Belmont at the village of Waverley, having an area of one hundred and seventy-six acres. They present an uneven surface, the central parts rising one hundred and fifty to two hundred feet higher than at the entrance, with abrupt slopes near the boundaries to the east, south, and west. To the east there are wide views of Boston, the harbor, and neighboring cities; and to the south and west one looks over the village and the famous Waverley oaks, said to be four centuries old, into the valley of Charles River, and sees the suburban regions of Brighton, Brookline, Watertown, Newton, and Waltham, with beautiful distant views beyond, including the Blue Hills of Milton in the south. The ground rises in irregular terraces, and the middle one of these has been chosen as the site of the main group of buildings, the principal ones facing the southwest. The higher ground behind them is covered with a forest growth that affords protection from the northerly and easterly winds, and one half of the estate is heavily timbered woodland, especially on the side toward the east and south. When these long slopes and picturesque terraces have a few lawn openings and driveways it will make a beautiful park; and there will be a cottage here and there and walks leading to quiet retreats under the great trees with their curative influences of peacefulness and repose.

The irregularity of the surface made it difficult to fix the sites of the different buildings, and to properly arrange them in their relations to each other. But it is found that this has aided in gaining the desired result of giving each building an individual and domestic character, unlike those of an institution.

This effect is increased by varying their styles of architecture, and the materials of which they are constructed, and by placing them at distances apart of 125 to 250 feet. This arrangement affords an effective separation of each household from its neighbors. All these conditions of pleasing situation and surroundings are such as to have a remedial influence of the highest value. The desirability of attaining these conditions has led to this departure from the practice of placing such buildings near together for the sake of efficiency, ease, and economy of management. The welfare of the patients as individuals requires that their residences shall be as homelike and free from harmful influences as possible. Proper organization and management will meet the economic requirements, and with the new order of nurses, their trustworthiness and efficiency now permit this most desirable improvement in hospital construction.

The main group consists of seven buildings for patients; they are connected as to their basements by a low covered way, so arranged as to appear from outside like an ordinary garden wall about five feet high. In addition to these is the central, or administration building, with others annexed for the laboratory, entertainment hall, kitchen, workshops, and boiler house, extending a considerable distance in the rear; there is also to be a gymnasium for men, and another for women, and small special hospital buildings for a few acute cases of each sex.

Detached from the main group by a distance of about seven hundred feet is the Upham Memorial Building, affording for men an accommodation similar to that given women by the Appleton Building. Its distance from the main group and the absence of any connecting corridor leads to an administration which will be largely independent.

The interior construction of all the buildings is alike in many particulars that may be included in a general description. The main corridors and hallways are enclosed by brick walls, with floors of brick laid on Guastavino arches. The partitions between rooms, where not of brick, are made of terra cotta blocks. All furring is of porous terra cotta, forming an air space within the wall, no wooden lathing or furring being used. All floors are deafened with plastering between the upper and under flooring. This construction tends to make the rooms sound proof and fire proof. Stand-pipes connected with the water tower are carried through each building to the roof, with outlets and hose on each floor. These corridors are nowhere used as parlors, with patients' rooms on either side, in common hospital fashion, but they serve only as passages, ending in parlors of good size, which are sunny corner rooms in almost all cases. The corridors are also carefully provided with light by alcoves and in the open spaces for stairways, which have easy flights, broad landings, and ornamental spindle work. It is everywhere sought to gain a domestic style of construction and homelike effects.

The rooms are generally arranged with doors between so that they can be used singly, or in suites of two or more. Those in the buildings for the more quiet classes of patients nearly all have fireplaces, and these are provided liberally in the sitting-rooms of all the houses. There is an ample closet for nearly every room, and the larger closets, store-rooms, linen-rooms, bath and toilet rooms are well lighted by windows in the outer walls.

The windows generally have large panes of glass in the lower sashes; in the women's department there are generally no guards for these windows, except the

screens of wire gauze in common use. Some of the larger windows, of parlors, etc., have ornamental iron balconies; awnings will be used in summer in these places, and common folding blinds elsewhere. In the men's department the windows are treated somewhat differently, with the effect of security in places where it is needed. Electric lighting is to be used in all the buildings.

The system of heating and ventilation is designed to be free from all avoidable complication, and suited to the requirements of domestic life; each house is treated independently of all others except that all in the main connected group are supplied with steam from a central boiler-house. It is conducted in large mains through the basement corridors already described, with branches to the several buildings. This steam-heating is by indirect radiation, and distribution is effected by placing in the basement underneath nearly every room its independent heating stack, covered with metal, to which cold air is brought through ducts from openings in the outer walls. In each room the general arrangement is to place the hot-air register near the floor by the fireplace, the hot-air ducts rising in the chimney stack. The sizes of these ducts are arranged upon the basis of an allowance of about one hundred square inches of clear area for the inlet of warm air to a room of the average size of eleven by fourteen feet, having about one hundred and fifty square feet of floor space, and a cubic space of fifteen hundred feet. The inlet opening, two thirds of a square foot in area, will admit forty-eight hundred cubic feet of air in an hour at an entering velocity of two feet per second. The air of the room can thus be changed completely about three times each hour.

Ventilation is effected by as simple means as possible, with reliance upon natural forces and the tendency

of warm air to rise in ducts kept properly warm by being placed in the inner walls. For each room there is an outlet opening near the ceiling, and another near the floor, leading into the same ventilating duct. These outlets correspond in size to the inlets, and the exit ducts lead directly upwards to a chamber placed in the highest part of the roof. In the principal buildings there are two to four of these chambers permitting the ducts to enter them by short, lateral distances. The sides and floors of the chambers are covered with metal, and heat from steam-pipes, when required, will accelerate the outflow of air through louvered openings or copper ventilators. The dampers of the fireplaces are kept closed when there is no fire in them. No attempt is made to ventilate any room by a comparatively small outlet-duct leading upward directly to the outer air; this would act at times, particularly in cold weather, like an unused chimney flue and permit the downward flow of cold air. The simple principle of the system adopted, by which a constant outflow is determined, is in the placing of an intervening body of warm air, at a high level, between the rooms to be ventilated and the outer air. This provision, if adequate in size should always prevent the reversal of currents in ventilation. In the rooms to be ventilated the more or less rapid outflow of air is determined by simply opening or closing the upper register. The lower opening, having no valves to close it, in its register covering, is therefore always open, and the ventilation, though less active, goes on constantly by being simply let alone.

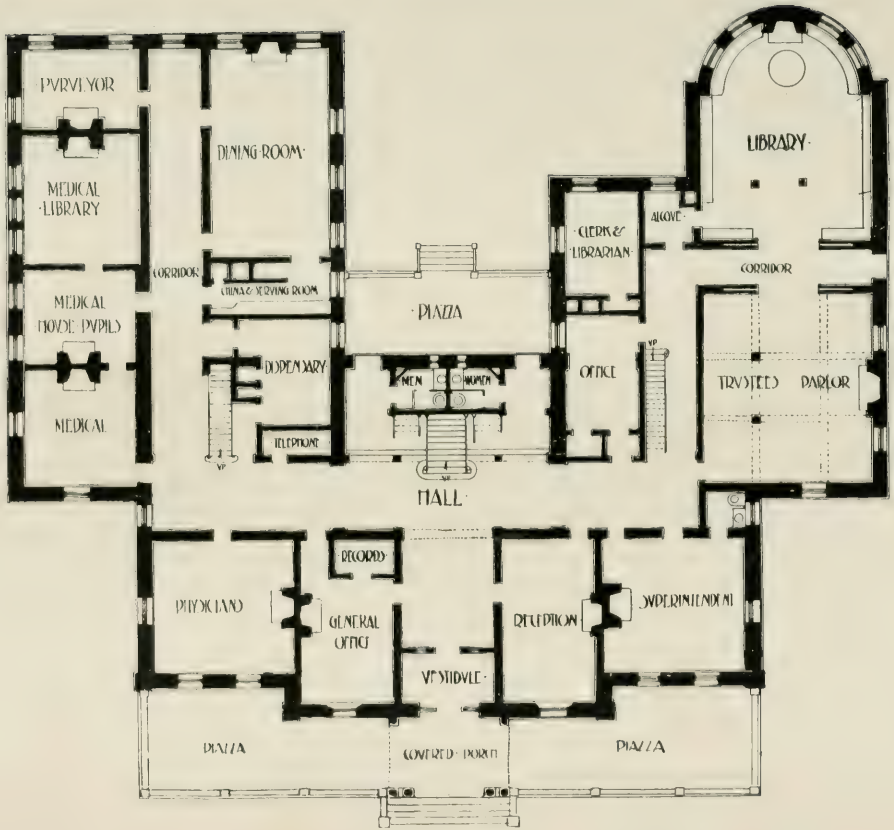
The attic rooms have a special arrangement for heating,— it is the transom system. A large supply of warm air is delivered in the upper halls and corridors, and entering the rooms through open transoms over the doors it warms the rooms, the circulation be-

ing accelerated by the chilling and downward flow of the air at the windows. The ventilation essential to this system is by outlets near the floor in all cases ; if, otherwise, there were open outlets near the ceiling, and on a level with the transom inlets, the warm air would tend to pass immediately out without warming the room.

Lavatories, bath and toilet rooms, have, in each set of these apartments, a ventilating shaft built of terra-cotta blocks, extending upward directly to the outer air, without danger of communication with the vent-ways of any living rooms. Its liberal size,— two by two and a half feet in the clear,— and its being always warmed, prevents down draughts. These shafts are incidentally warmed by the waste heat from the risers of the steam-pipes as they pass to the vent-chambers before described ; there is also utilization of waste heat from the risers of the hot-water pipes that serve the lavatories, etc. These rooms are all practically well isolated, with their independent heating and ventilation. The perfection of modern appliances, together with such conditions as exist here, permit the adoption of domestic methods rather than the extreme isolation of such rooms required in a general hospital. They are of simple construction, all plumbing fixtures being exposed, with marble or tiled floors under them. The vent-shaft serves also as a pipe-shaft around which the fixtures are closely placed ; into and out of it all water, waste, and vent pipes directly pass above the floor level of any given room. Thus there are no traps or pipe-joints to leak in the spaces between the floors and the ceilings below. There are openings on each floor, covered by panels that can be taken off, so that access to the pipe-shafts, in which ladder rungs are fixed, can be easily had at all times for repairing the pipes and traps.



ADMINISTRATION HOUSE.



First Floor Plan, Administration House.

ADMINISTRATION BUILDING.

The plans for this building were made by Messrs. Shepley, Rutan & Coolidge, of Boston. It stands as the centre of the main group, and has the appearance of a large, private residence, with broad terraces in front and rear, and an enriched central entrance and porch. The exterior is old colonial in style, and the materials are light yellow brick and white marble, with copper cornices and balustrades painted white, and a copper roof. There is a main building, rectangular in shape, of three stories and attic, and a wing of two stories and attic at either end, running back at right angles with the main axis. The total area covered by the building is 9,728 square feet, exclusive of piazzas.

The entrance leads through a wide vestibule to a spacious hall, and opposite is the main stairway, with a broad landing half way up, a large eastern window over it, and exits under it to the terrace and garden in the rear. The main corridor on the left leads to the offices and telephone room and to the dispensary, a roomy medical library, and dining-room in the west wing; on the right, to the reception rooms and other offices, and to a large parlor, and general library and reading-room for patients in the east wing. The last two rooms, by opening double doors, can be thrown together for assemblies of patients, etc., on special occasions. The second and third floors are entirely occupied as the residence of the medical staff and household officials and the servants of the house. There is a general parlor and a liberal allowance of space for the private rooms, closets, etc., while care has been taken to gain the effects of a homelike appearance and the comfort of a dwelling house.

At the rear end of the west wing, a corridor leads back to the laboratory and service building, which con-

tains the entertainment hall, kitchen, etc., and is also the residence of the employes. From the entrance to this building the corridor leads westward to the house occupied by men patients. In the basement of this wing is the store-keeper's office and storerooms, and the officer's kitchen; under the other wing is the dining-room for women nurses. Here, also, begins the corridor that leads to the houses occupied by women.

BELKNAP BUILDING.

The Belknap Building, of which Messrs. Fehmer & Page were architects, covers an area of 8,642 square feet, and will lodge thirty patients. It stands 156 feet to the southeast of the administration building, and is connected with it by the basement corridor before described, which leads to two entrances at the rear of the building. The exterior is of Eastern red brick laid with English bond. The trimmings are buff Amherst stone. The walls are vaulted, and the roof covered with dark Brownsville slates. The main house faces the southwest, and a wing extending easterly faces the southeast; there are two other entrances — the main one in front and the other at the eastern end of the wing. This arrangement, with the two stairways, divides the house into four distinct sections on each of the two floors, and each section has a lavatory and other necessary service rooms. By the aid of other devices, the rooms may be used in small groups for three or six patients each, or single rooms may be isolated from all the others. The rooms occupied by patients are all exposed to the sun at some time of the day, and nearly all face the southeast or southwest; the service rooms look out upon a large garden, the sides of which are formed by the buildings and the low covered ways. This building, being the one of those for women that stands nearest the administra-

tion building, has in the section first entered from the corridor the rooms for linen, stores, and a visitors' room, besides the room for the supervisor of the service of that group of buildings. The front entrance opens into the same hall opposite the main stairway, and the reception-room at the left of the entrance will serve also as a music-room, so isolated that patients will not be disturbed by the sounds from it.

The corridor extending to the right from a door in the entrance hall that can be closed, leads to a group of five front rooms, opposite which is a lavatory and toilet-room, a nurse's room, and an alcove to let in light. At the end of this corridor is a large general parlor,— a south corner room admitting sunlight all day. Opposite this parlor at the intersection of the main corridor with that leading to the east wing is a large dining-room which is an elongated octagon in shape, with two entrance doors and an adjoining serving-room, communicating with the kitchen below by a lift. In the wing is another group of five single rooms for patients, and opposite them, a lavatory and alcove. The corridor here opens both into a stairway and hall, by which there is an exit to the garden, or into another cross corridor leading to a large vestibule forming a sitting-room, from which there is an outside door, opening upon the eastern porch and terrace. The corridor beyond this extends to the Appleton building. Behind the cross corridor, and separated from it by a lobby, are two isolating rooms, with private lavatory, etc., a small serving-room and lift, and a sitting-room. It is here that certain new-coming patients may be received and remain a few days, or be secluded when very ill.

The second floor has a like arrangement of rooms, except that over the supervisor's and office rooms is a group of four that may be used for the partial isolation

of special cases. At the end of the east wing is also a large parlor, where in adjoining rooms, one, two, or three persons may have seclusion and quietude.

In the attic are commodious rooms for about twenty nurses with accessories of lavatories, etc., and a large sunny sitting-room over the general parlors of the wards below.

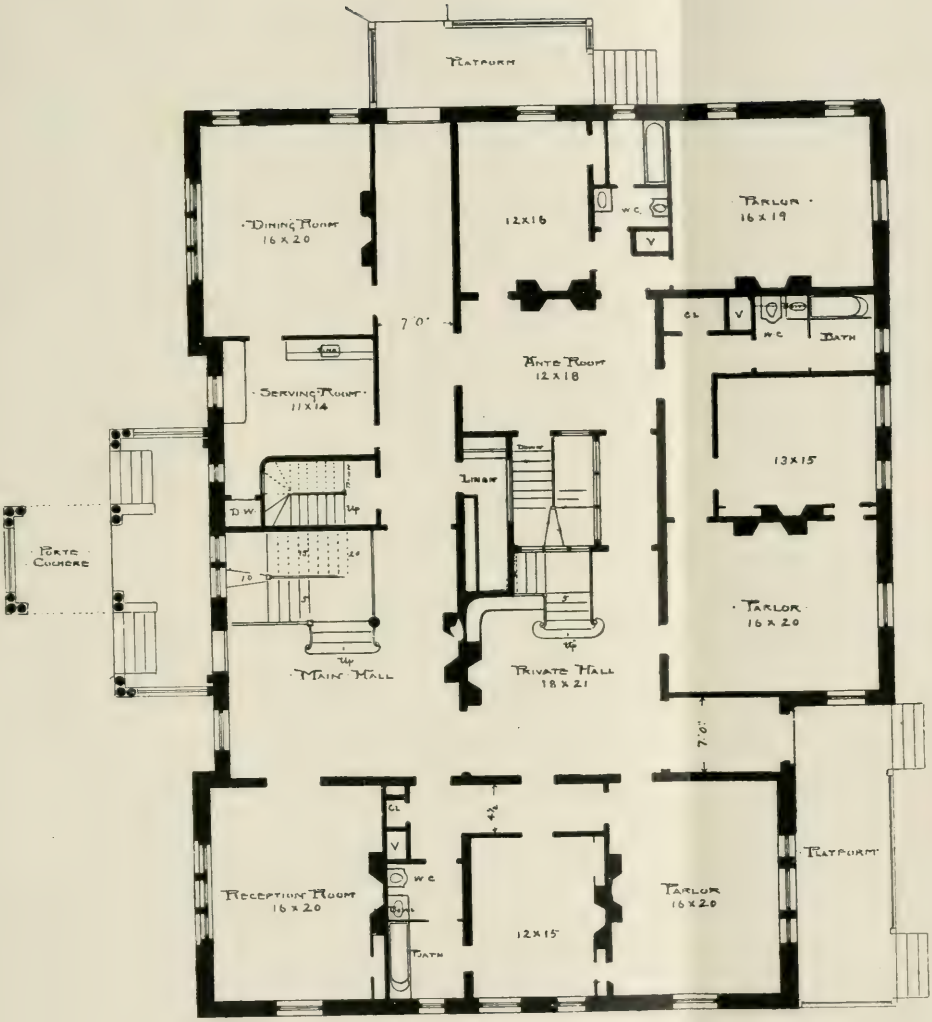
In the basement under the dining-room there is a kitchen, pantry, with refrigerator, etc., small store-room, lavatory, clothes-room and sitting-room for servants. It is proposed that much of the cooking for the patients in each building shall be done in its own kitchen. This will tend to economy in the consumption of food by improving the manner of serving and preventing waste.

APPLETON BUILDING.

This building, of which Messrs. Fehmer & Page were architects, covers an area of fifty-five hundred square feet, and has a basement, two stories, and attic. It stands one hundred and sixty-two feet to the southeast of the Belknap, connected with it by the corridor which leads into the basement underneath a porch and first floor entrance in the rear. It is nearly square, and its main entrance, with a large porch and *porte cochère*, is on the northwest side, facing the Belknap as last described. The exterior is of so-called bench brick laid with Flemish bond with white points. The window trimmings are of white marble ; the underpinning is of cut granite; the porches, cornices, dormers, etc., are of wood, the roof slated. The entrance hall is spacious and well lighted, and contains a fireplace and handsome stairway communicating only with the second floor, with broad landings, ornamental railings, and spindle work. On the right of the entrance is a reception-room with



APPLETON HOUSE.



First Floor Plan, Appleton House.

an outlook toward the fine view in front to the southwest. On the left of the hall a corridor leads beyond the stairway to a private enclosed staircase extending from basement to attic. Beyond this is a serving-room and a dining-room, and an exit to the porch and open grounds in the rear, well shaded by trees.

There are eight suites of rooms in the two stories of the house, each including a parlor, chamber, and private lavatory, bath, and closets. Three of these suites are on the first floor, and are separated from the hall and rooms previously described by a thick wall running from the front to the rear of the building in both stories, so that the east half may be effectively isolated from the other rooms near the main entrance and those above it. There is a door at each end of the main hall and corridor, opening through the division-wall into two other halls on the east side, each having a fireplace. The front and rear halls are separated by a handsome stairway and a large well by which they are abundantly lighted. The front hall has in its front a suite of rooms facing the southwest, and at its side another facing southeast; the parlor of each of these suites is a corner room with outlook both ways, there being between them a vestibule leading from the front hall to a covered porch that forms the south corner of the rectangle covered by the building. The porch can be enclosed in winter to form a sun-room and conservatory. A passage leads from the front to the rear hall, past the light-well, and another suite of rooms occupies the east corner of the building. A private stairway leads to the basement from the passage as well as from the front hall, affording egress by way of the corridor to the gardens and gymnasium in the rear of the Belknap.

The second floor has five corresponding suites of

rooms, over those described as on the first floor, including the reception and dining room, etc., and by the two stairways, private access can be had to each suite. A peculiar arrangement of these rooms permits direct and easy inspection of each one from the halls by the nurses, or each suite may be isolated, and with the outer doors closed, each chamber, when occupied by a disturbed patient, will be separated by an intervening lobby from the halls, and beyond the hearing of other patients. This house stands higher than any of the others, and faces the attractive outlook to the westward. The rooms on the easterly side have the fine view of Boston and its immediate vicinity over the thickly growing grove of trees near the building. Above the vestibule, and looking out over the porch at the south corner, is a sunny alcove, with a large window arranged for plants in winter.

The attic contains rooms for a head nurse and about sixteen nurses, with bath, closets, etc., liberally furnished. The basement contains a kitchen, under the dining-room, with pantry, refrigerator, etc., and a lift to the two stories above. There is also a clothes-room in the basement, and a sitting-room for the servants.

The heating and ventilating is by the method already described; and each toilet-room has a like arrangement of fixtures with a special pipe and vent-shaft.

THE UPHAM MEMORIAL BUILDING.

The Upham Memorial Building, of which Mr. William Y. Peters is the architect, is detached from the main group by about seven hundred feet, it covers an area of 7,500 square feet and has basement, two stories and attic. The exterior walls are of Somerville pressed brick with white Georgia marble trimmings. The underpinning of hammered Troy granite. The

roof covered with dark Eastern slate. The front entrance will be covered by a *porte-cochère* of white marble and there will be a covered porch of the same material at the eastern end. The style of the building is colonial. It is the counterpart of the Appleton Building for women, and affords like accommodations for men. Its distance from the other buildings and the absence of any connecting corridor, leads to an administration which will be largely independent. It stands to the westward of the administration building, and its main entrance, facing the latter, is on its northeasterly side where there is a *porte-cochère* and broad covered porch, leading to a spacious hall, which has a memorial character in its design. On the right of the entrance is a reception-room, and a passage leads to the dining-room, at the north end of the building. At the left of the entrance hall is a broad stairway leading to a capacious hall above, and beyond the stairs the hall opens into another near the front of the house, and thence a short corridor and vestibule leads to a covered porch and terrace on the south front. At each of the two corners of this front is a suite of rooms, including a parlor, chamber, and private toilet room, etc. There are nine such suites of rooms in the building, four on the first, and five on the second floor. The house is divided by a thick longitudinal wall, extending through both stories, thus affording seclusion of one half of the house from the other half when desired. In the west half of the house the front hall, already described, is connected by a passage with a rear hall, and between them is a second broad stairway, and a large well which gives an abundance of light to the interior. These intervening arrangements also aid in the seclusion of rooms when desired. There are two of the suites on the west side of the house, and these have an outlook to-

wards the valley of the Charles. A short corridor leads from the rear hall past the serving-room that adjoins the dining-room, to an exit upon a terrace at the northwest corner of the house, and out upon the grounds in the rear.

The second floor, with its five suites, that correspond closely with those on the first floor, has also a billiard and smoking room over the dining-room. All the rooms have fireplaces, ample closet room, etc., and nearly all the chambers are arranged with a special lobby intervening between them and the adjoining hall, so that the patient may have extreme quietude and seclusion from others when desired, or a disturbed patient may not annoy others.

The attic contains rooms for nurses, including a sitting-room, chamber and bath, for the supervisor and his wife who have charge of the building, and who are trained nurses. There are also rooms for a cook and housemaid. Other rooms afford accommodations for twelve men nurses, and there is space for storage. Two private stairways lead from the attic to the stories below, one passing directly to the basement.

The basement contains a large kitchen, pantry, refrigerator, and storeroom. There is also a dining-room for nurses and a sitting-room with outlook towards the west, the basement being above ground level on this side. A special arrangement for Turkish and plunge baths, etc., includes three rooms and a dressing-room.

The heating is by steam from a furnace in the basement, by indirect radiation, there being a separate stack of pipes in a metal casing for each room or group of rooms. The hot-air register of each room is near the floor, and by the side of the fireplace. The ventilation is by the simple system described in the other buildings.

REPORT OF THE TREASURER.

In accordance with the Fifth Article of the By-Laws the report of the accounts of the Massachusetts General Hospital, made up to the last day of December, 1892, is respectfully submitted to be laid before the Corporation at its annual meeting.

Dr. FRANKLIN HAVEN, JR., *Treasurer, in account with the* MASSACHUSETTS GENERAL HOSPITAL, *Cr.*

To Balance Cash on hand, Dec. 31, 1891	$9,028.51	By Cash paid Insurance	$3,034.06
,, Railroad Bond sold or matured	22,200.00	,, ,, ,, Annuitants	7,103.00
,, One third profits Mass. Hospital Life Ins. Co.	10,000.00	,, ,, ,, Notes Receivable	615,832.50
,, Donations and legacies	64,425.00	,, ,, ,, Taxes at Belmont	602.68
,, Income from investments	135,854.56	,, ,, ,, Expenses of Hospital	151,996.87
,, Board of paying patients at Asylum	143,571.61	,, ,, ,, Expenses of Asylum	158,120.75
,, Board of paying patients at Hospital	25,513.35	,, ,, ,, Expenses of Convalescent Home	11,396.18
,, Board of paying patients at Convalescent Home	2,016.00	,, ,, ,, Investments	431,145.35
,, Subscribers for Free Beds ($4,800 received for this purpose in 1891)	7,898.00	,, ,, ,, Library	341.36
		,, ,, ,, House for Resident Physician	9,471.36
,, Subscribers for Free Beds for 1893 in advance	5,100.00	,, ,, ,, Warren Prize Fund account	500.00
,, Premiums	15,395.21	,, ,, ,, Surgical Instrument Fund account	137.23
,, Dr. Edward Cowles	799.07	,, ,, ,, Dr. J. W. Pratt	657.87
,, Notes Payable	258,000.00	,, ,, ,, Land and Buildings for Asylum	58,400.72
,, Sale of Land at Somerville	750,000.00	,, Balance Cash on hand, Dec. 31, 1892	1,061.38
	$1,449,801.31		$1,449,801.31

The expense of carrying on the business of the Corporation for the year 1892 has been $321,513.80.

On account of Hospital	$151,996.87	
,, ,, ,, McLean Asylum	158,120.75	
,, ,, ,, Convalescent Home	11,396.18	
		$321,513.80

These expenses have been met from

Amount charged to patients	$171,100.96	
Income from various funds	116,041.32	
Subscriptions for Free Beds for 1892 . . .	12,698.00	
Deficit drawn from the General Fund . . .	21,673.52	
		$321,513.80

The expenses at the Hospital have exceeded the receipts $17,474; the expenses at the Convalescent Home have exceeded the receipts $750.98; and the expenses at the McLean Hospital have exceeded the receipts $3,448.54, making a deficit of $21,673.52.

TABLE No. 1.

HOSPITAL DEPARTMENT.

Expenses and receipts for the year 1892: —

Expenses at the Hospital (See Table 4) . .		$151,996.87

Receipts.

Income from Redman Fund (see Table 7) . .	$27,306.78	
,, ,, Free Bed Funds (see Table 7) .	42,129.94	
,, ,, funds, income unrestricted (see Table 7)	3,090.00	
,, ,, General Fund (see Table 7) . .	23,784.80	
,, ,, Free Bed Subscriptions (see Table 8)	12,698.00	
Amount charged to patients	25,513.35	
Deficit from General Fund	17,474.00	
		$151,996.87

TABLE No. 2.

McLEAN HOSPITAL.

Expenses and receipts for the year 1892 :---

Expenses at the Asylum (see Table 5) . . .		$158,120.75
Receipts.		
Income from Funds for Beneficiaries . . .	$5,400.60	
,, ,, ,, ,, Female Beneficiaries	5,100.00	
,, ,, Amusement Fund	600.00	
Amount charged to patients	143,571.61	
		$154,672.21
Balance of expenses over receipts charged to the General Fund		$3,448.54

TABLE No. 3.

CONVALESCENT HOME.

Expenses and receipts for the year 1892 :—

Expenses at Convalescent Home (see Table 6)		$11,396.18
Receipts.		
Income from Convalescent Home Fund . .	$8,629.20	
Amount charged to patients	2,016.00	10,645.20
Balance of expenses over receipts charged to the General Fund		$750.98

TABLE No. 4.

Expenses of the Hospital Department: —

For Stores	$48,676.37	
Gas and Oil	335.27	
Water and Ice	2,656.85	
Wages	37,641.04	
Medicine	5,773.12	
Furniture	11,049.20	
Surgical Instruments	7,643.68	
Stationery	1,095.85	
Wines and Liquors	2,452.02	
Salaries	4,615.00	
One half General Expenses	1,241.67	
Fuel	12,663.29	
Contingencies	2,181.65	
Repairs	13,971.86	
		$151,996.87

These expenditures have been for account of : —

2,612 free patients for 9,256 weeks	$134,602.24	
713 other patients for 1,196 weeks	17,394.63	
		$151,996.87
The average number of patients in 1891 . .	208	
The average number of patients in 1892 . .	201	
The average cost per week in 1891	$12.54	
The average cost per week in 1892	14.54	
The total expenses in 1891	135,663.27	
The total expenses in 1892	151,996.87	
The amount paid for account of free patients		134,602.24
The amount received for them has been: —		
From income of Free Bed Funds . . .	42,129.94	
From subscribers for this object . . .	12,698.00	
		$54,827.94

The deficiency has been drawn in part from the income of various funds applicable to the purpose, and the remainder from the General Fund.

TABLE NO. 5.

EXPENSES OF THE McLEAN HOSPITAL DEPARTMENT.

For Stores	$44,906.64	
Laundry	8,902.50	
Fuel	8,451.53	
Stationery	481.58	
Medicines and Liquors	2,956.86	
Contingencies	2,624.21	
Furniture	8,164.77	
Repairs	15,871.91	
Diversions	1,697.20	
Belmont Improvements	5,216.18	
Water and Ice	2,953.20	
Lights	3,221.36	
Wages	33,042.48	
Salaries	10,220.00	
One half General Expenses	1,241.68	
Library	600.00	
Stables	5,260.70	
Garden	3,477.68	
Carriages	226.00	
		$159,516.48
Less Cr. Clothing, $245.70; Farm, $1,150.03,		1,395.73
		$158,120.75

These expenditures have been for account of: —

Patients paying average cost and more		$31,558.40
Patients paying less than average cost		126,562.35
		$158,120.75
The average number of patients in 1891	173	
The average number of patients in 1892	175	
The average cost per week in 1891	$16.81	
The average cost per week in 1892	17.29	
The total expenses in 1891		$151,419.67
The total expenses in 1892		158,120.75
The amount expended at the Hospital for patients who have paid less than average cost has been		126,562.35
The amount received has been: —		
From patients, 7,304 weeks' board at less than average cost	$76,176.28	
Income of Funds for Beneficiaries	5,400.60	
Income of Funds for Female Beneficiaries,	5,100.00	
Income of Amusement Fund	600.00	
		87,276.88
		$39,285.47

The deficiency has been partly met by patients paying more than average cost, and the balance, $3,448.54, drawn from the General Fund.

TABLE NO. 6.

EXPENSES OF THE CONVALESCENT HOME.

For Stores		$5,266.64
Gas and Oil		77.96
Furniture		276.86
Wages		2,970.40
Fuel		604.34
Ice		173.05
Repairs		1,225.37
Contingencies		530.96
Surgical Instruments		115.04
Medicines		122.06
Water Rates		27.00
Stationery		6.50
		$11,396.18
Whole number of patients admitted during the year,		
males	233	
females	152	
	385	
Number of patients, Jan. 1, 1892	21	
		406

Whole number discharged during the year		396
Remaining, Jan. 1, 1893, males	5	
females	5	10
		406

TABLE NO. 7.

INCOME FROM INVESTMENTS.

From Annuities Receivable	$6,400.00
City and Town Bonds	580.00
Mass. Hospital Life Ins. Co. Stock	5,000.00
Railroad Bonds	23,951.00
Manufacturing Stocks	3,227.00
Bank Stocks	6,750.22
Real Estate, Productive	80,340.35
Notes Receivable	6,676.54
Railroad Stocks	2,310.00
Del. Mut. Ins. Co.	24.75
Interest	594.70
	$135,854.56

Which has been distributed as follows : —

To Redman Fund		$27,306.78
Warren Prize Fund		214.80
Bowditch History Fund		120.00
Wooden Leg Fund		306.00
Redman Annuities		253.00
Clara Barton Annuity		194.46
Surgical Instrument Fund		88.50
Amusement Fund		600.00
Free Bed Funds	for use	42,129.94
	for Joy Annuitants	500.00
Beneficiaries at Asylum Funds		5,400.60
Warren Library Fund		60.00
One half Lincoln Fund,— Female Beneficiaries		5,100.00
Funds with Income Unrestricted		3,090.00
General Fund		23,784.80
Convalescent Home Fund		8,629.20
Asylum Building Fund		14,196.48
Whittemore Fund		1,500.00
Urbino Fund		250.00
Treadwell Library Fund		300.00
Samuel Cabot Fund		120.00
Hibbard Fund		60.00
Dalton Fund		600.00
Bradlee Fund		1,050.00
		$135.854.56

The Income for 1890 was	$120,215.98
The Income for 1891 was	122,662.32
The Income for 1892 has been	135,854.56

TABLE NO. 8.

SUBSCRIBERS FOR FREE BEDS FOR 1892.

American Bell Telephone Co.	$ 98
Oliver Ames & Sons' Corporation	100
C. W. Amory	100
D. H. Andrews	100
Boston & Albany R. R. Co.	500
Boston & Lowell R. R. Co.	300
Boston & Maine R. R. Co.	500
Boston & Providence R. R. Co.	100
Boston Firemen's Relief Fund	200
Mrs. E. B. Bowditch	200
J. L. Bremer	100
Richard Briggs	100
Martin Brimmer	100
P. C. Brooks	100
Shepherd Brooks	100
William S. Bullard	100
Mrs. Laura M. Case	100
J. Randolph Coolidge	100
J. T. Coolidge	100
T. Jefferson Coolidge	100
T. Jefferson Coolidge, Jr.	100
J. B. Curwen	100
Mrs. Arthur Croft	100
Charles P. Curtis	100
Greely S. Curtis	100
Mrs. J. G. Cushing	100
F. Gordon Dexter	100
George Dexter	300
Mrs. C. H. Dalton	100
C. H. Dalton	100
Edmund Dwight	100
Samuel Eliot	100
William Endicott, Jr.	100
Employers' Liability Assurance Corporation, Limited	100
Mrs. Elizabeth E. Fay	100
Henry H. Fay	100
Joseph S. Fay	100
Joseph S. Fay, Jr.	100
Fitchburg R. R. Co.	500
John Foster	100
Mrs. Harriet Gray	100
George A. Gardner	100
John L. Gardner	200
Joseph B. Glover	100
Miss Eliza Goodwin	100
F. Haven, Jr.	100
Miss E. Hooper	$100
E. W. Hooper	100
George D. Howe	100
Francis W. Hunnewell	100
Samuel Johnson	100
David P. Kimball	100
L. C. Kimball	100
Amory A. Lawrence	100
Mrs. Anna C. Lodge	100
Thornton K. Lothrop	100
Mrs. Thornton K. Lothrop	100
Theodore Lyman	100
Arthur T. Lyman	100
Thomas Mack	100
Miss Ida M. Mason	100
W. Powell Mason	100
Mass. Humane Society	200
Charles Merriam	100
Miss M. C. Mixter	100
C. J. Morrill	100
N. Y. & N. E. R. R. Co.	500
Old Colony R. R. Co.	500
C. E. Perkins	100
F. H. Peabody	100
Frank E. Peabody	100
W. D. Pickman	100
Mrs. B. S. Rotch	100
Dr. Wm. L. Richardson	100
Henry Saltonstall	100
F. R. Sears	100
Mrs. G. H. Shaw	100
Henry S. Shaw	100
J. P. Squire & Co.	200
Mrs. Francis Skinner	100
Bayard Thayer	100
Nathaniel Thayer	200
E. V. R. Thayer	100
George W. Wales	100
Mrs. Charles E. Ware	100
Otis E. Weld	100
West End Street Railway Co.	500
Thos. Wigglesworth	200
R. C. Winthrop, Jr.	100
Roger Wolcott	100
Mrs. J. Huntington Wolcott	100
Henry Woods	100
	$12,698

Total Free Bed Subscriptions in 1891 $13,198

TABLE No. 9.—LIBRARY FUNDS.

TREADWELL LIBRARY FUND.

Balance, Dec. 31, 1891.—		
Principal		$5,000.00
Income	$77.66	
1892 Income received	300.00	
	$377.66	
Income expended	243.85	
	$133.81	
Balance, Dec. 31, 1892:—		
Principal		$5,000.00
Income	$133.81	

WARREN LIBRARY FUND.

Balance, Dec. 31, 1891:—		
Principal		$1,000.00
Income	$879.62	
1892 Income Received	60.00	
	$939.62	
Income expended	97.51	
	$842.11	
Balance, Dec. 31, 1892:—		
Principal		$1,000.00
Income	$842.11	

TABLE No. 10.

WOODEN LEG FUND.

Balance, Dec. 31, 1891:—		
Principal		$5,100.00
Income	$22.69	
1892 Income received	306.00	
	$328.69	
Balance, Dec. 31, 1892:—		
Principal		$5,100.00
Income	$328.69	

TABLE No. 11.

BOWDITCH HISTORY FUND.

Balance, Dec. 31, 1891:—		
Principal		$2,000.00
Income	$175.75	
1892 Income received	120.00	
	$295.75	
Balance, Dec. 31, 1892:—		
Principal		$2,000.00
Income	$295.75	

TABLE NO. 12.

GENERAL FUND.

Balance, Dec. 31, 1891	$1,136,918.77	
Add one third profits of Mass. Hospital Life Ins. Co.	10,000.00	
Add premiums	15,395.21	
Add legacy of Mrs. E. B. Bowditch	5,000.00	
		$1,167,313.98
Less balance of insurance account	$3,034.06	
Less balance of expenses over income	21,673.52	
Balance, Dec. 31, 1892	1,142,606.40	
		$1,167,313.98

TABLE NO. 13.

RESTRICTED FUNDS.

Income devoted to free beds : —

The Joy Fund, a bequest from Miss Nabby Joy	$20,000.00
Belknap Fund, a bequest from Jeremiah Belknap	10,000.00
Wm. Phillips Fund, a bequest from Wm. Phillips	5,000.00
Williams Fund, a bequest from John D. Williams, of estate No. 17 Blackstone Street	19,600.00
Bromfield Fund, half of a bequest from John Bromfield	20,000.00
Miss Townsend Fund, a donation from the executors of the will of Miss Mary P. Townsend	11,486.50
Brimmer Fund, a bequest from Miss Mary Ann Brimmer	5,000.00
Wilder Fund, a bequest from Charles W. Wilder	12,000.00
Sever Fund, a bequest from Miss Martha Sever	500.00
Thompson Fund, a bequest from S. B. Thompson	500.00
Tucker Fund, a bequest from Miss Margaret Tucker	3,312.37
Davis Fund, a bequest from Mrs. Eleanor Davis	900.00
Loring Fund, a bequest from Abigail Loring	5,000.00
Nichols Fund, a bequest from B. R. Nichols	6,000.00
Gray Fund, a donation from John C. Gray	1,000.00

The Dowse Fund, a bequest from Thomas Dowse	$5,000.00
Todd Fund, a bequest from Henry Todd	5,000.00
J. Phillips Fund, bequest from Jonathan Phillips	10,000.00
Greene Fund, a bequest from Benj. D. Greene	5,000.00
Percival Fund, a bequest from John Percival	950.00
Pickens Fund, a bequest from John Pickens	1,676.75
Treadwell Fund, part of a bequest from J. G. Treadwell	38,703.91
Raymond Fund, a bequest from E. A. Raymond	2,820.00
Harris Fund, part of a bequest from Charles Harris	1,000.00
Mason Fund, a bequest from Wm. P. Mason	9,400.00
J. L. Gardner Fund, a donation from J. L. Gardner	20,000.00
B. T. Reed Fund, a donation from Benj. T. Reed	1,000.00
Wm. Reed Fund, a bequest from Wm. Reed	5,233.92
McGregor Fund, half of a donation and bequest from James McGregor	7,500.00
Miss Rice Fund, a bequest from Miss Arabella Rice	5,000.00
Templeton Fund, half of a bequest from John Templeton	5,000.00
Mrs. J. H. Rogers Fund, a donation from J. H. Rogers	1,177.50
Beebe Fund, a bequest from J. M. Beebe	50,000.00
Lincoln Fund, half of a bequest from Mrs. F. W. Lincoln	85,000.00
Blanchard Fund, a bequest from Mrs. M. B. Blanchard	4,000.00
George Gardner Fund, a donation from George Gardner	1,000.00
Hemenway Fund, a donation from the executors of the will of Augustus Hemenway	20,000.00
Jessup Fund, part of a bequest from Dr. Chas. A. Jessup	1,000.00
Tufts Fund, bequest from Quincy Tufts	10,000.00
Read Fund, half of a bequest from Jas. Read	1,000.00

The Parker Fund, a bequest from Jno. Parker, Jr.	$10,000.00
Miss Shaw Fund, a donation and bequest from Miss M. Louisa Shaw	5,500.00
Eliza Perkins Fund, a donation from Mrs. H. B. Rogers	1,000.00
Dwight Fund, a donation from Mrs. T. Bradford Dwight	1,000.00
Hunnewell Fund, a donation from H. H. Hunnewell	10,000.00
R. M. Mason Fund, a bequest from R. M. Mason	5,000.00
Hannah Lowell Cabot Fund, a donation from Dr. Samuel Cabot	1,000.00
Welles Fund, a donation from Miss Jane Welles	5,000.00
Black Fund, a bequest from Miss Marianna Black	2,000.00
Eben Wright Fund, an assignment of legacies by the children of T. Jefferson Coolidge	14,000.00
Paraclete Holmes Fund, a donation from W. S. Adams	2,000.00
Estabrooks Fund, a bequest from J. W. Estabrooks	1,000.00
Thayer Fund, a bequest from Nathaniel Thayer	30,000.00
Sawyer Fund, a bequest from M. P. Sawyer	76,902.66
Ann E. Gray Fund, a bequest from Miss Ann E. Gray	5,000.00
John Bertram Fund, a donation from Mrs. Clara Bertram Kimball	5,000.00
Hannah C. Leland Fund, a bequest from Mrs. Hannah C. Leland	15,000.00
Esther E. Beebe Fund, a bequest from Mrs. Esther E. Beebe	2,000.00
Ella F. Roehl Fund, a bequest from Ella F. Roehl	8,085.02
Donations from friends, two of $100 each and one of $50	250.00
Henry B. Rogers Fund, a bequest from Henry B. Rogers	10,000.00
John H. Eastburn Fund, a bequest from John H. Eastburn	10,000.00
Mrs. Susan F. Eastburn Fund, a bequest from Mrs. Susan F. Eastburn	1,000.00
William B. Craft Fund, a bequest from William B. Craft	5,000.00
Emily W. Appleton Fund, a donation from Mrs. Emily W. Appleton	1,000.00

The Charles R. Hayden Fund, a donation from Mrs. Annie Ruth Hayden . .	$2,000.00	
Spaulding Fund, a donation of Mahlon D. and John P. Spaulding	10,000.00	
Shattuck Fund, a donation of Mrs. George C. Shattuck	500.00	
Joel Spalding Fund, a donation of Miss Sarah R. Spalding	3,000.00	
McGregor Fund, a bequest of Mrs. James McGregor	1,000.00	
Bartlett Fund, a bequest of Sidney Bartlett	10,000.00	
Jas. B. and Mary Dow Fund, a gift of Mary Dow, under the will of James B. Dow	5,000.00	
Elisha T. Loring Fund, a bequest of Elisha T. Loring	10,000.00	
Ellen M. Gifford Fund, part of a bequest of Ellen M. Gifford	10,000.00	
Turner Sargent Fund, a bequest of Amelia Jackson Sargent	5,000.00	
Sarah E. Allen Fund, a bequest of Sarah E. Allen	5,000.00	
Wm. S. Dexter Fund, a donation of Wm. S. Dexter	1,500.00	
Wm. B. Spooner Fund, a bequest of Wm. B. Spooner	3,000.00	
Caroline Merriam Fund, a donation from Frank Merriam	1,000.00	
Stephen P. H. May Fund	1,000.00	
		$711,498.63

Income devoted to Beneficiaries at McLean Hospital:—

Bromfield Fund, half of a bequest from John Bromfield	$20,000.00	
Read Fund, half of a bequest from Jas. Read	1,000.00	
Appleton Fund, $10,010 a bequest from Samuel Appleton, $20,000 being a donation from Wm. Appleton . .	30,010.00	
McGregor Fund, half of a donation and bequest from James McGregor . .	7,500.00	
Amount carried forward	$58,510.00	$711,498.63

Amount brought forward	$58,510.00	$711,498.63
Austin Fund, part of a bequest from Mrs. Agnes Austin	5,000.00	
Kittredge Fund, a bequest from Rufus Kittredge	5,500.00	
Templeton Fund, half of a bequest from John Templeton	5,000.00	
Proctor Fund, a bequest from Mrs. Lydia P. Proctor	1,000.00	
Higginson Fund, a bequest from George Higginson	10,000.00	
Ellen M. Gifford Fund, part of a bequest from Ellen M. Gifford	5,000.00	
		90,010.00

Income devoted to Female Beneficiaries at McLean Hospital : —

Lincoln Fund, half of a bequest from Mrs. F. W. Lincoln		85,000.00
Bradlee Fund, a donation from Helen C. Bradlee		50,000.00

Income unrestricted : —

Waldo Fund, a bequest from Daniel Waldo	40,000.00	
Blake Fund, a bequest from Stanton Blake	10,000.00	
Charles W. Faulkner Fund, bequest of C. W. Faulkner	2,940.00	
		52,940.00

Income devoted to any purpose except buildings : —

Redman Fund, a bequest from John Redman		455,113.34

Income devoted to a triennial Prize : —

Warren Prize Fund, a bequest from Dr. J. M. Warren		3,579.92

Income devoted to the Library :

Treadwell Library Fund, part of a bequest from J. G. Treadwell		5,000.00

Income devoted to books for Patients : —

Warren Library Fund, a donation from Dr. J. C. Warren		1,000.00

Income and Principal devoted to the publication of a history of the Hospital: —		
Bowditch History Fund, a bequest from N. I. Bowditch		$2,000.00
Income devoted to Amusements at the McLean Hospital: —		
Amusement Fund, $5,000 a bequest from Miss Mary Louisa Shaw, $5,000 a donation from Mrs. Quincy A. Shaw and other ladies		10,000.00
Income devoted to special Surgical Instruments: —		
Surgical Instrument Fund, a donation from Dr. H. J. Bigelow, $1,250; donation of Mr. R. M. Moore, $100; donation of Lydia B. & O. A. Taft, $100; donation of Chas. S. Bixby, $25 .		1,475.00
Wooden Leg Fund: —		
A bequest from N. I. Bowditch, $5,000; donation of P. K., $100		5,100.00
Convalescent Home Fund . .	$132,280.66	
Donation from George A. Gardner	5,000.00	
Donation from Miss Mary Russell	40.00	
Bequest of Elizabeth B. I. B. Dixwell	1,000.00	
Donation from Miss Helen C. Bradlee	500.00	
Bequest of Elizabeth B. Bowditch	5,000.00	
		143,820.66
Permanent Free Beds: —		
Miss Marion Hovey	$1,000.00	
Mrs. Fanny H. Morse	1,000.00	
Amount carried forward	$2,000.00	

Amount brought forward	$2,000.00	
Henry S. Hovey	1,000.00	
Edward Woodman	1,000.00	
Children of Mrs. Henry Winsor	1,000.00	
D. R. Whitney	1,000.00	
George Gardner	1,000.00	
Mrs. Nathaniel Thayer	1,000.00	
Edward F. Deland	1,000.00	
Mrs. Anna I. Phillips	1,000.00	
Miss Helen W. Faulkner	1,000.00	
Jordan, Marsh & Co.	1,000.00	
		$12,000.00
Clara Barton Annuity		3,241.00
McLean Hospital Building Fund		621,609.19
Dr. J. H. Whittemore Memorial Fund		33,720.00
S. R. Urbino Fund		5,000.00
Hibbard Occupation Fund		1,000.00
Samuel Cabot Fund for Pathological Investigation		2,000.00
Income devoted to Investigation in the Science of Medicine:—		
John Call Dalton and Edward Barry Dalton Fund, a donation from Charles H. and Henry R. Dalton		10,000.00
Add unused income at credit of		
Warren Prize Fund	$384.31	
Warren Library Fund	842.11	
Bowditch History Fund	295.75	
Surgical Instrument Fund	1,433.28	
Wooden Leg Fund	328.69	
Clara Barton Annuity	583.38	
Treadwell Library Fund	133.81	
Hibbard Occupation Fund	260.00	
Samuel Cabot Fund	1,200.00	
Dalton Fund	1,000.00	
Bradlee Fund	1,050.00	
		7,511.33
Total of Restricted Funds		$2,312,619.07

TRIAL BALANCE, DECEMBER 31, 1892.

Dr.		*Cr.*	
Land and Buildings for McLean Hospital	$50,302.49		
Land and Buildings for Hospitals	621,290.55		
Land and Buildings for Convalescent Home	50,000.00		
Annuities Receivable	160,000.00		
Insurance Stock	50,000.00		
Delaware Mutual Insurance Company's Script	550.00		
Manufacturing Stocks	47,800.00		
Bank Stocks	88,400.00		
Railroad Stocks	30,595.00		
Railroad Bonds	408,200.00		
City and Town Bonds	8,000.00		
Notes Receivable	778,000.00		
Real Estate, Productive	1,399,182.64		
Edward Cowles, Superintendent	28,759.65		
John W. Pratt, Resident Physician	683.76		
Balance, Cash, Dec. 31, 1891	1,061.38		
	$3,722,825.47		
Redman Fund		$455,113.34	
Warren Prize Fund		3,579.92	$ 384.31
Bowditch History Fund		2,000.00	295.75
Wooden Leg Fund		5,100.00	328.69
Clara Barton Annuity		3,241.00	583.38
Surgical Instrument Fund		1,475.00	1,433.28
Amusement Fund		10,000.00	
Free Bed Funds		711,498.63	
Warren Library Funds		1,000.00	842.11
McLean Hospital Beneficiaries Funds		90,010.00	
Treadwell Library Funds		5,000.00	133.81
Lincoln Fund		85,000.00	
Funds with Income Unrestricted		52,940.00	
Permanent Free Beds Fund		12,000.00	
McLean Hospital Building Fund		621,609.19	
Convalescent Fund		143,820.66	
Dr. J. H. Whittemore Memorial Fund		33,720.00	
S. R. Urbino Fund		5,000.00	
Samuel Cabot Fund		2,000.00	1,200.00
Hibbard Occupation Fund		1,000.00	260.00
General Fund		1,142,606.40	
Notes Payable		262,500.00	
Subscribers to Free Beds for 1893		5,100.00	
Dalton Fund		10,000.00	1,000.00
Bradlee Fund		50,000.00	1,050.00
		$3,715,314.14	$7,511.33
		7,511.33	
		$3,722,825.47	

Property on hand belonging to the Corporation invested as follows : —

INVESTMENTS PRODUCING NO INCOME.

Hospital : Land and Buildings occupied for Hospital	$621,290.55	
Resident Physician's balance	683.76	
Convalescent Home : Land and Buildings at Belmont	50,000.00	
McLean Hospital : Land and Buildings occupied for Hospital	50,302.49	
Superintendent's balance	28,759.65	
		$751,036.45

INVESTMENTS PRODUCING INCOME.

Policies Mass. Hospital Life Ins. Co.	$160,000.00
500 shares Mass. Hospital Life Ins. Co.	50,000.00
$50,000 Eastern Railroad Co. 6 per cent. Bonds	50,000.00
$60,000 Chicago, Bur. & Quincy R. R. 7 per cent. Bonds	60,000.00
$52,000 Chicago, Bur. & Quincy R. R. 5 per cent. Bonds	52,000.00
$10,000 Chicago, Bur. & Quincy R. R. 4 per cent. Bonds	10,000.00
$10,000 Chicago, Bur. & Northern R. R. 6 per cent. Bonds	10,000.00
$210,000 Atch., Topeka & Santa Fe R. R. 4 per cent. Bonds	168,000.00
$36,200 Bur. & Mo. River in Neb. R. R. non-ex. 6 per cent. Bonds	36,200.00
$4,000 Cedar Rapids & Mo. River R. R. 7 per cent. Bonds	4,000.00
$5,000 Bur., Cedar Rapids & Northern R. R. 5 per cent. Bonds	5,000.00
$3,000 Ft. Scott, So. Eastern & Mem. R. R. 7 per cent. Bonds	3,000.00
$10,000 Fremont, Elkhorn & Mo. Valley R. R. 6 per cent. Bonds	10,000.00
$2,000 City of Providence 5 per cent. Bonds	2,000.00
$6,000 City of Kansas 8 per cent. Bonds	6,000.00
104 Shares Old Colony R. R. Co.	10,400.00
201 ,, Boston & Albany R. R. Co.	20,195.00
14 ,, Merrimack Manufacturing Co.	14,000.00
1 Share Appleton ,, ,,	1,000.00
9 Shares Amory ,, ,,	900.00
14 ,, Amoskeag ,, ,,	14,000.00
25 ,, Great Falls ,, ,,	2,500.00
1 Share Lancaster Mills	400.00
Amount carried forward	$689,595.00

	Amount brought forward	$689,595.00
5	Shares Boston Manufacturing Co.	5,000.00
10	,, Stark Mills ,, ,,	10,000.00
100	,, National Union Bank	10,000.00
100	,, Suffolk National Bank	10,000.00
70	,, Tremont ,, ,,	7,000.00
25	,, Old Boston,, ,,	2,500.00
87	,, State ,, ,,	8,700.00
100	,, Columbian ,, ,,	10,000.00
200	,, Merchants',, ,,	20,000.00
50	,, New England National Bank	5,000.00
100	,, Massachusetts ,, ,,	10,000.00
50	,, Eagle ,, ,,	5,000.00
2	,, National Bank of Commerce	200.00
Land and Store, 17 Blackstone Street		19,600.00
,, ,, ,, 168 Washington Street		45,000.00
,, ,, House, 61 Dartmouth Street		10,000.00
Redman Estate, Washington Street		106,000.00
Building on Floral Place		46,794.41
Land and Stores, 496 to 500 Washington Street		173,719.30
Land and Houses on Warrenton Street		26,700.00
,, ,, ,, ,, Chambers Street		23,900.00
,, ,, ,, ,, Cross Street		9,191.64
,, ,, House ,, Poplar Place		2,500.00
Union Block, Union and Marshall Streets		66,875.00
Real Estate, Fruit Street and vicinity		114,042.14
Land and Buildings on Washington and Kneeland Streets.		350,000.00
Land and Buildings 830 Washington Street		30,000.00
Land and Buildings 273 and 275 Washington Street		125,860.15
Land and Buildings 72-74 Tremont Street		249,000.00
Notes secured by Mortgage		28,000.00
,, ,, ,, Collateral		100,000.00
Note of the Boston and Lowell Railroad Company		650,000.00
Delaware Mutual Ins. Co. Scrip		550.00
Cash		1,061.38
	Investments producing income	$2,971,789.02
	Investments producing no income	751,036.45
Total, foot of Trial Balance		$3,722,825.47

F. HAVEN, Jr., *Treasurer.*

TABLE OF THE EXPENSES OF THE HOSPITAL AND McLEAN HOSPITAL FOR TEN YEARS, 1883 TO 1892.

ORDINARY EXPENSES.

Year.	Cost of Paying Patients.	Cost of Free Patients.		Total Expenses of		Average cost per week per patient.		Cost over Board.	
	Hospital.	Hospital.	Convalescent Home.	Hospital.	McLean.	Hospital.	McLean.	Hospital.	McLean.
1883	$18,389.28	$90,665.70	$6,575.92	$115,630.90	$139,711.39	$12.63	$16.16	$91,213.57	$5,376.89
1884	21,476.00	101,954.31	6,873.69	130,304.00	139,201.67	14.75	16.00	107,974.18	2,612.02
1885	10,728.87	93,411.59	8,483.90	112,624.36	140,278.86	11.99	15.72	87,464.96	
1886	13,423.09	99,054.20	10,831.84	123,309.13	144,374.33	12.50	15.94	96,986.71	5,805.42
1887	15,337.90	105,543.61	9,856.94	130,738.45	139,497.70	12.56	16.35	105,012.17	15,049.93
1888	15,594.88	119,634.59	10,785.86	146,015.33	139,178.98	13.47	15.98	112,220.05	7,788.28
1889	15,612.47	131,216.80	10,737.64	146,829.27	146,574.09	13.64	16.51	122,005.14	10,255.79
1890	15,477.68	112,249.71	10,263.22	127,727.39	152,219.98	12.41	16.83	98,289.40	13,769.98
1891	14,348.39	121,314.88	10,185.65	135,663 27	151,419.67	12.54	16.81	110,568.08	12,511.94
1892	17,394.63	134,602.24	11,396.18	151,996.87	158,120.75	14.54	17.29	126,483.52	14,549.14

Annual Report of the Resident Physician.

TABLE No. 1.

Number of Patients in the Hospital January 1, 1893.

Paying	17
Free	181
Total	198

Admitted from January 1, 1892, to January 1, 1893.

	Males.	*Females.*	*Total.*
Patients paying board	304	245	549
Patients paying board part of the time	95	69	164
Patients entirely free	1,560	1,052	2,612
	1,959	1,366	3,325
Medical			1,228
Surgical			3,097
Children			43

Of these, 2 paid $70; 54 paid $50; 5 paid $25; 80 paid $21; 5 paid $15; 57 paid $14; 234 paid $10.50; 123 paid $10; 103 paid $7; 43 paid $5; 2 paid $3.50; 5 paid $3.

Whole number of patients treated during the year, paying, 566; paying part of the time, 164; free, 2,793; total, 3,523.

Discharged during the Year.

	Medical.	*Surgical.*	*Male.*	*Female.*	*Total.*
Well	561	1,112	974	699	1,673
Much relieved	51	12	31	32	63
Relieved	328	644	612	360	972
Not relieved	71	23	42	52	94
Not treated	54	169	85	138	223
Dead	139	159	212	86	298
Insane and eloped	5	5	7	3	10
	1,209	2,124	1,963	1,370	3,333

Number of Patients remaining December 31, 1892.

Males	111
Females	78
Total	198

Paying	17
Free	181
Total	198
Medical	75
Surgical	123
Total	198

Proportion of deaths to whole number of results, 8.94 per cent.

Number of patients received on account of accidents, 588.

The greatest number of paying patients at any one time was 40; in private rooms, 7; the greatest number of free patients, 201; the greatest total, 219. The least number of paying patients at any one time was 13; in private rooms, 0; the least free, 155; the least total, 171.

The proportion of ward beds occupied by free patients, was 79 per cent.; by paying patients, 21 per cent.

About 7.85 per cent. of the paying patients occupied private rooms. The average number of patients was 201; males, 109; females, 92.

The average number of paying patients was 23; Americans, 18; foreigners, 5.

The average number in private rooms, 2.

The average number of free patients was 178; Americans, 90; foreigners, 88.

The average time of paying patients was 2.17 weeks; and that of free patients, 3.54 weeks.

TABLE No. 2.

Residences.

Boston	965
Massachusetts (excepting Boston)	2,077
Maine	41
New Hampshire and Vermont	105
Rhode Island and Connecticut	43
Other States	52
British Provinces	42
	3,352

TABLE No. 3.

Birthplaces.

Boston	172
Massachusetts (excepting Boston)	1,023
Maine	190
New Hampshire	150
Vermont	48
Rhode Island and Connecticut	69
New York	49
Southern and Western States	90
Total Americans	1,791
British Provinces	402
Great Britain	175
Ireland	708
Germany	52
Norway and Sweden	65
France	16
Switzerland	6
Italy	25
Other places	85
Total foreigners	1,534

TABLE No. 4.

Occupations.

Males.	*Paying.*	*Free.*	*Partial.*
Mechanics	74	390	43
Laborers	16	359	17
Farmers	31	90	15
Miners	16	155	3
Seamen	12	79	6
Clerks	28	90	5
Teamsters	12	66	9
Traders	24	83	7
Servants	11	54	8
Clergymen	3	6	
Lawyers	5		
Doctors	10	4	
Merchants	20	67	
Students	16	46	
Others	36	61	
	314	1,550	113

Total males, 1,959. Of these 40 were in private rooms.

Occupations.

Females.	*Paying.*	*Free.*	*Partial.*
Domestics	14	347	5
Minors	8	88	6
Wives	142	378	46
Widows	27	53	10

Occupations.

Males.	*Paying.*	*Free.*	*Partial.*
Seamstresses	8	26	2
Spinsters	9	10	
Operators	5	33	
Teachers	7	12	
Clerks	8	27	
Nurses	1	21	
Others	16	53	4
	245	1,048	73

Total females, 1,366. Of these, 16 were in private rooms.

TABLE No. 5.

Out-patients.

Number of new patients	26,718
Men	12,550
Women	10,071
Children	4,097
Americans	13,524
Foreigners	13,194
Residents of Boston	13,267
Of other places	13,451
Medical department for women	4,717
Medical department for men and children	5,129
Surgical department	9,461
Ophthalmic department	1,280
Department for diseases of skin	2,670
Department for diseases of nervous system	998
Department for diseases of the throat	2,463

Total attendance, 84,649.

Average daily attendance, 282.

Number of applicants	20,618
Number admitted	19,190
Number refused	448
Number sent to physician's office	980
Number visited	1,119
Number visited, correct statement	676
Number visited, incorrect statement	443

TABLE NO. 6.

CONVALESCENT HOME.

Admitted in 1890	367
Admitted in 1891	368

	Males.	*Females.*	*Total.*
Remaining Jan. 1, 1892	11	10	21
Admitted during 1892	233	152	385
Total	244	162	406
Discharged	239	157	396
Remaining Jan. 1, 1893	5	5	10

TABLE No. 7.

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS AT THE MASSACHUSETTS GENERAL HOSPITAL, FROM JANUARY 1, 1882, TO DECEMBER 31, 1892.

YEAR.	Total admitted.	Free.	Paying board all the time.	Paying part of the time.	Whole number treated.			Discharged well.	Percentage on "Total admitted."	Much relieved, or relieved in part.	Not relieved.	Not treated, unfit, dismissed, etc.	Deaths.	Percentage on "Total admitted."	Greatest number free at one time.	Greatest number paying at one time.	Greatest total.	Latest total.	Average.	Accidents.	Average time of paying weeks.	Average time of free weeks.	Patients remaining under treatment Dec. 31.		Out-patients treated.
					Paying board.	Paying board part of time.	Free.																Paying.	Free.	
1882	2147	1736	399	12	414	12	1876	1312	61	463	59	13	177	8.13	167	35	195	143	168	348	2.84	4.41	24	141	16304
1883	2020	1492	449	79	473	79	1633	1286	63	378	61	108	181	8.93	168	49	189	143	168	432	2.75	4.80	32	128	7102*
1884	2096	1667	382	47	448	47	1815	1318	62	367	68	137	191	9.11	159	40	186	129	165	397	3.	4.14	19	148	14824
1885	2327	1910	371	46	382	46	2044	1584	68	361	73	129	192	8.25	166	26	184	147	167	443	2.38	4.08	11	134	17016
1886	2580	2124	392	64	409	64	2283	1689	65	411	64	175	192	7.44	178	30	206	133	173	471	2.78	3.72	17	159	17925
1887	2814	2340	429	45	447	45	2523	1694	60	565	89	173	245	8.70	196	40	217	150	185	490	2.90	3.57	18	183	18981
1888	3256	2549	553	154	570	154	2731	2021	61	640	100	210	277	8.50	194	42	215	156	193	496	2.16	3.46	17	182	19472
1889	3419	2825	500	94	514	94	3016	2034	59	669	110	300	285	8.33	205	29	227	170	207	530	2.28	3.40	14	191	22939
1890	3381	2546	581	254	599	254	2719	1880	55	874	101	241	278	8.13	200	37	225	158	198	601	2.14	3.55	18	173	22545
1891	3203	2566	425	212	449	212	2748	1400	43	1182	106	225	268	8.36	204	36	233	175	208	595	2.69	3.76	24	182	25819
1892	3325	2612	549	164	566	164	2793	1673	50	1035	94	223	298	8.96	201	40	219	171	201	588	2.17	3.54	17	181	26718

*Out-patient Department open only five months.

Total of patients in wards, from the year 1821, 87,078.

Total of out-patients, 411,369.

TABLE No. 8.

TABLE SHOWING THE COST OF THE PRINCIPAL STORES AT THE MASSACHUSETTS GENERAL HOSPITAL.

Articles.	1890.			1891.			1892.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, Sirloin, lbs.	10,740	$2,176.92	.20	8,675	$1,953.10	.22½	8,703	$1,817.07	.20
,, Corned, ,,	8,291	570.00	.06¾	8,511	666 46	.07⅝	8,633	539.50	.06¼
,, Round, ,,	35,902	2,600.76	.07	35,479	2,838.08	.07⅝	39,017	2,883.95	.07½
,, Rump, ,,									
,, Roasting, ,,	18,290	1,662.88	.09	18,460	1,882.20	.10	20,064	1,858.61	.09
Mutton . . . ,,	12,886	1,490.28	.11	12,504	1,449.67	.11¾	12,836	1,560.51	.12
Poultry . . . ,,	15,339	2,303.71	.15	15,196	2,219.53	.14	18,055	2,890.16	.16
Butter . . . ,,	15,130	3,969.63	.26⅜	16,315	4,474.38	.27½	17,592	4,763.48	.27
Eggs doz.	11,959	3,289.27	.27½	11,961	3,001.98	.25⅛	12,466	2,925.58	.23½
Flour . . . bbls.	107	647.50	6.05	113	690.45	6.11	115	611.25	5.31
Bread lbs.	33,560	1,845.81	.05½	38,705	2,128.78	1.055	42,930	2,361.16	.055
Ice . . . tons	268.097	1,362.31	5.08	282.69	565.39	2.00	334.14	668.25	2.00
Sugar . . . lbs.	28,165	1,853.38	.06¾	28,140	1,404.34	.049¾	29,487	1,267.18	.04293/4
Tea ,,	1,270	471.88	.37	1,193	410.36	.34	1,243	373.56	.30
Milk qts.	151,477	7,771.94	.051	171,418	7,821.21	.045	175,218½	9,063.10	.051
Potatoes. . bush.	1,280	1,476.52	1.15	1,200	1,383.93	1.15	1,255	1,099.77	.87¾

The Young Men's Christian Union gave us twenty-five rides, taking out two hundred patients.

Respectfully submitted,

JOHN W. PRATT,

Resident Physician.

BOSTON, Jan. 1, 1893.

The Massachusetts General Hospital is a private, not a public institution.

Applications for admission of patients must be made at the Hospital on Blossom Street, Boston, on week-days between the hours of 9 and 11 A. M. and 2 and 3 P. M.

Recent accidents admitted at all hours.

Out-patients received between 9 and 10 A. M., week-days only.

Applications from a distance must be made in writing, accompanied by a full description of the case by the attending physician, and, when a Free Bed is desired, by a statement of the pecuniary condition of the patient, and a reply should be awaited before sending the patient.

Contagious and chronic diseases are not admitted.

Regular charges to paying patients are as follows: in the Jackson Ward (private), $50 per week; in small room in the Townsend and Bigelow Wards, $25 per week; in the General Wards, $10 per week.

These rates, covering only expenses of board and lodging, may be increased or abated in individual cases by the Resident Physician.

An ambulance, accompanied by a medical officer, will be despatched to any point within the city proper for the conveyance of cases of *accident* or *urgent sudden sickness, not contagious*, to this Hospital, or elsewhere, upon notice from a physician, the police, or other responsible source, subject to the approval of the undersigned.

In cases requiring gratuitous treatment, no charge will be made.

JOHN W. PRATT,
Resident Physician.

ANNUAL REPORT (SEVENTY-FIFTH)

OF THE

SUPERINTENDENT OF THE McLEAN HOSPITAL.

The following report, with tabular statements relating to the number and condition of the patients treated in the Hospital during the year 1892, is respectfully presented: —

TABLE No. 1.

GENERAL STATISTICS OF THE YEAR.

	Males.	Females.	Total.
Patients in the Hospital, Jan. 1, 1892 . . .	85	93	178
Admissions within the year	73	77	150
Whole number of *cases* within the year . .	158	170	328
Discharged within the year	77	83	160
Namely, — as Recovered	17	18	35
Much improved	12	19	31
Improved	16	13	29
Unimproved	20	22	42
Deaths	12	11	23
Patients remaining Dec. 31, 1892, supported as private patients, . . .	81	87	168
Number of different *persons* within the year,	155	167	322
,, ,, ,, ,, admitted . . .	73	76	149
,, ,, ,, ,, recovered . . .	17	18	35
Daily average number of patients	83.99	90.25	174.24

During the year one woman was admitted twice. Three men and two women present at the beginning of the year were discharged and re-admitted. Thus there were three hundred and twenty-eight cases treated, representing three hundred and twenty-two persons.

Of the one hundred and forty-nine persons admitted during the year, seventy-nine were regarded as recent cases, and seventy-one as chronic, or incurable.

One hundred and nine persons, forty-nine men and sixty women, had never been in any hospital. Of the remaining forty persons, twenty-eight, twenty men and eight women, were admitted for the second time; six persons, one man and five women, for the third time; one woman each for the fourth and fifth times, and one for the sixteenth and seventeenth time, and one man for the thirtieth time.

In 1892 there were thirty-one more admissions, thirty-five more discharges, and twenty-five more cases under treatment than during the year 1891; and the number present was ten less at the end than at the beginning of the year.

Of the one hundred and fifty-eight persons discharged, including deaths, twenty-six, eighteen men and eight women, were transferred or committed to other hospitals in this State, and three men and one woman to hospitals in other States.

Of the thirty-five persons discharged recovered, thirty had never before been inmates of any hospital; and of the remaining five persons, four had been in this Hospital, and one in Bloomingdale Asylum. These five persons had previously made six recoveries.

The average duration of illness from the beginning of attack in all cases recovered was 6.66 months, and the average duration of their residence in the Hospital was 5.01 months.

The percentage of recoveries on all admissions, for the year 1892, was 23.33.

The voluntary cases admitted during the year numbered fifty-three. These represented fifty-two persons, twenty-three men and twenty-nine women. Of these, thirty-one were cases of melancholia, nine of mania, five of delusional insanity, four of toxic insanity, one of paralytic insanity, and two of general paralysis.

Of these fifty-two persons, one was committed after entering the Hospital as a voluntary case. The fifty-three voluntary cases admitted during the year with thirty-nine such cases remaining from previous years furnished twelve recoveries. Thus the voluntary patients have yielded 22.6 per cent. of recoveries on the admissions of that class for 1892, thus furnishing only their due proportion of all the recoveries. Of this class, thirteen other cases were discharged much improved, twelve improved, eight not improved, and four dead. The total remaining under the voluntary relation at the end of the year is thirty-eight persons, fifteen men and twenty-two women.

The number of persons admitted as voluntary patients under the present law is as follows: namely, 1881, 1; 1882, 11; 1883, 33; 1884, 49; 1885, 34; 1886, 29; 1887, 29; 1888, 34; 1889, 41; 1890, 58; 1891, 40; 1892, 52;— a total of 411 persons in twelve years.

The voluntary cases were two more than one third of all the admissions; and it is an interesting fact that in only one of these was it found necessary for the relatives to apply for a commitment because the patient had made a formal demand to be discharged. As usual a large proportion of the voluntary patients were cases of melancholia, — thirty-one out of fifty-three admissions.

The relatively large increase of thirty-five in the number of admissions in 1892 makes a total of one hundred and fifty-one that has not been equalled in any year since 1858, when the domes now occupied by nurses were still being used as dormitories for patients; nor has the number under care in any year been greater in that time. The daily average of patients present during the last year, one hundred and seventy-four, shows nearly the present limit of capac-

ity, which is less than it was thirty or more years ago. Thus it appears that the movement of the population is becoming more rapid, which is consistent with the active character of the strictly hospital work. While it is the purpose to use the best resources of the Hospital in the treatment of recent and curable cases, it is regarded as an important part of such work that its remedial effects should be enjoyed by those whose sufferings from active forms of incurable disease can be alleviated. Many cases have been taken for limited periods of time, for first care and observation; and in other ways the result has been gained of having more patients under treatment. For such reasons as the foregoing the percentage of recoveries in relation to the admissions has been somewhat less than usual, although the actual number of recoveries was two more than in the previous year.

There is abundant evidence of an increasing demand for the kind of care that can be given by this Hospital, even under the adverse conditions which have hampered it in recent years because of its location and lack of modern advantages. The amount and kind of work it is called upon to do is ample proof of the appreciation in which its quality is held. Under properly favoring circumstances, the value of the special methods that have been developed would have been better shown. The indications are clear that this result will be gained in the new Hospital at Waverley, which it is hoped will be ready for occupation within the next year after this just beginning. The provision of the regular series of buildings for the residence of patients, administration, service, etc., that are recognized as essential at the outset, will entail a large cost in being constructed, with due foresight, and with the careful study that must be made of the present opportunity to create favorable

conditions for the greater and better work that is already demanded of such institutions.

These conditions stimulate the earnest hope that the new Hospital will not lack some special things that will add a value of many times their cost to the perfection of the new work. It has been sufficiently demonstrated here, even with inadequate means, that a gymnasium for each sex, with the desired adjuncts for occupation and entertainment, including special bathing arrangements as a part of the means of treatment by physical training, will be most valuable in the advancement of remedial methods. A small building for each sex also, that shall be specially a hospital, can be so constructed that a few patients, when admitted acutely ill, could have first treatment there, with separation from each other and from all harmful influences. This would not only be a most humane provision for the alleviation of such suffering, but it is as essential to a fitting adaptation of precise curative influences to acutely sensitive mental conditions, as are the aseptic arrangements of special wards and operating rooms, in their modern perfection, to the more material conditions of cerebral and abdominal surgery. These requisites for the finer treatment of the peculiar diseases for which this Hospital exists, would greatly enhance its perfection, and multiply the good that they do by the application of their moderate cost directly at a point of humane and scientific advancement.

The work of a laboratory for scientific investigation has been so far studied here, and planned as to its future development, that there remains no question of its value as an adjunct to the clinical work. It is to be neurological investigation in the broadest sense, and the work, both experimental and clinical, for neurology includes the knowledge of normal and

abnormal conditions of the nervous system, in both their bodily and mental manifestations. The initial conditions of fatigue, exhaustion, and weakened and disordered mental function, are to be studied by the careful observation of clinical facts, with all available instruments of precision; and if the elements of the problem are to be fully comprehended, there must be included not only the study of the grosser lesions in nervous pathology, but of the working of the vital processes of waste and excretion, nutrition and repair, to which the new science of chemical pathology now promises to lend its aid.

A special report of the Training School for Nurses will be found in the appendix. It maintains its satisfactory and indispensable service. The purposes of the school are stated, the course of instruction, and how to make application for admission.

The years of waiting, and hoping against hope, for the long expected changes that would give fair opportunity for the good work that lies plainly in the way, are now nearly ended. The beginning of the new Hospital in the past year brings near the day of better things. The few institutions in the country, of the class in which the McLean Hospital stands, hold exceptional opportunities for the best work in the advancement of the care, cure, and prevention of mental disorders. Their position is exceptional because of their freedom from the conditions that weigh upon the public charities. The call is urgent in the demand for progress in this most important and humane work, and the field for it is ready and waiting to yield rich returns for adequate labor and means to work with. The generous interest that is being widely shown in the Hospital,— in what it has done and plans to do,— is most encouraging; and the greatest helpfulness comes in substantial contributions to the

special means for the newer order of work that perhaps can hardly be included in the first provisions of the essentials to make the foundation of the Hospital complete.

There are larger reasons than ever for our thanks to the friends of the Hospital and of its patients for their interest and sympathy, and they have our heartfelt appreciation and gratitude.

Very respectfully,

EDWARD COWLES,
Superintendent.

TABLE No. 2.

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS FOR TEN YEARS.

Years.	Admitted.	Discharged.	Whole No. under care.	Died.	Much improved, etc.	Recovered.	Remaining at end of year.	Average No. of Patients.
1883	109	111	276	17	57	37	165	164
1884	113	103	278	17	52	34	175	166
1885	95	100	270	17	46	37	170	171
1886	93	96	263	14	46	36	167	169
1887	75	78	242	17	35	26	164	160
1888	105	103	269	23	37	43	166	164
1889	113	105	279	16	56	33	174	168
1890	123	113	297	11	58	44	184	173
1891	119	125	303	20	72	33	178	171
1892	150	160	328	23	102	35	168	174

Total number of admissions from the year 1818, 7,699.

TABLE No. 3.

MONTHLY ADMISSIONS, DISCHARGES, AND AVERAGES.

Months.	Admissions.			Discharges (including Deaths).			Daily Average of Patients in the House.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
January . .	3	10	13	4	3	7	80.03	93.26	173.29
February . .	5	4	9	2	3	5	83.00	96.31	179.31
March . . .	4	5	9	5	6	11	83.71	93.00	176.71
April . . .	12	6	18	5	3	8	85.66	92.57	178.23
May	6	7	13	4	10	14	88.55	91.13	179.68
June	7	8	15	7	5	12	90.50	89.50	180.00
July	5	11	16	6	11	17	89.16	90.61	179.77
August . . .	2	5	7	9	12	21	85.58	87.65	173.23
September .	7	9	16	8	6	14	80.40	87.47	167.87
October . .	6	6	12	7	9	16	78.39	87.93	166.32
November . .	11	4	15	8	6	14	81.13	87.88	169.01
December . .	5	2	7	12	9	21	81.74	85.68	167.42
Total *cases* .	73	77	150	77	83	160	83.99	90.25	174.24
Total *persons*	73	76	149	76	82	158			

TABLE No. 4.

RECEIVED ON FIRST AND SUBSEQUENT ADMISSIONS.

Number of the Admission.	Cases admitted.			Times previously recovered.		
	Males.	Females.	Total.	Males.	Females.	Total.
First	49	60	109	4	9	13
Second	20	8	28	6	8	14
Third	1	5	6	2	3	5
Fourth		1	1			
Fifth		1	1		4	4
Sixth	1		1	4		4
Eighth	1		1	7		7
Sixteenth		1	1		4	4
Seventeenth . . .		1	1			
Thirtieth	1		1	26		26
Total of *cases* . . .	73	77	150	49	28	77
Total of *persons* . .	73	76	149			

These 77 recoveries represent 33 persons, 24 having recovered one, 4 two, 3 four, 1 seven, and 1 twenty-six times.

TABLE No. 5.

RELATION TO HOSPITALS OF THE PERSONS ADMITTED.

	Males.	Females.	Total.
Never before in any Hopital	49	60	109
Former inmates of this Hospital	12	8	20
Former inmates of other Hospitals	10	7	17
Former inmates of this and other Hospitals .	2	1	3
Total of *persons*	73	76	149

TABLE No. 6.

PARENTAGE OF PERSONS ADMITTED.

Place of Nativity.	Males.		Females.		Total.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine	11	12	6	5	17	17
New Hampshire	4	4	6	6	10	10
Vermont	4	4	5	4	9	8
Massachusetts	23	24	27	29	50	53
Rhode Island	2	2	2	3	4	5
Connecticut	..	1	..	..	..	1
New York	2	1	6	6	8	7
New Jersey	..	..	1	1	1	1
Virginia	..	..	1	1	1	1
Ohio	2	2	..	..	2	2
Indiana	..	..	1	1	1	1
Michigan	1	1	..	..	1	1
Sweden	1	1	1	1	2	2
England	6	6	3	2	9	8
Ireland	9	9	8	8	17	17
Nova Scotia	2	1	1	1	3	2
New Brunswick	2	1	2	2	4	3
P. E. Island	..	..	1	1	1	1
Canada	1	..	..	..	1	..
Scotland	..	1	2	2	2	3
Germany	1	1	2	2	3	3
France	1	1	1	1	2	2
Poland	1	1	..	..	1	1
Total of *persons*	73	73	76	76	149	149

TABLE No. 7.

RESIDENCE OF PERSONS ADMITTED.

Places.	Males.	Females.	Total.
Massachusetts :—			
Suffolk County	21	22	43
Middlesex County	23	25	48
Essex County	3	6	9
Norfolk County	3	8	11
Plymouth County	5	1	6
Worcester County	2	4	6
Bristol County	3	..	3
Berkshire County	1	1	2
Hampden County	1	..	1
Maine	3	1	4
New Hampshire	1	2	3
Vermont	..	1	1
Rhode Island	..	2	2
New York	2	1	3
Pennsylvania	1	..	1
Ohio	1	..	1
California	1	1	2
District of Columbia	1	..	1
P. E. Island	..	1	1
New Brunswick	1	..	1
Total of *persons*	73	76	149

TABLE No. 8.

CIVIL CONDITIONS OF PERSONS ADMITTED.

Number of the Admission.	Unmarried.			Married.			Widowed.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First	18	20	38	26	31	57	5	9	14	49	60	109
Second	10	3	13	9	2	11	1	3	4	20	8	28
Third	..	3	3	1	2	3	..	..	..	1	5	6
Fourth	..	..	..	..	1	1	..	..	..	..	1	1
Fifth	..	1	1	..	..	..	..	..	..	..	1	1
Sixth	..	..	..	1	..	1	..	..	..	1	..	1
Eighth	..	..	..	1	..	1	..	..	..	1	..	1
Sixteenth	..	1	1	..	..	..	..	..	..	..	1	1
Thirtieth	1	..	1	..	..	..	..	..	..	1	..	1
Total *persons*,	29	28	57	38	36	74	6	12	18	73	76	149

TABLE No. 9.

OCCUPATIONS OF PERSONS ADMITTED.

Occupations.	Males.	Females.	Total.
Housewife	..	44	44
Clerk	7	..	7
Manufacturer	2	..	2
Jeweller	1	..	1
Musician	1	..	1
Teacher	..	4	4
Clergyman	1	..	1
Physician	1	..	1
Student	2	1	3
Railroad Engineer	1	..	1
Merchant	9	..	9
Ship Builder	1	..	1
Hotel Steward	1	..	1
Auditor	1	..	1
Reporter	1	..	1
Nurse	1	..	1
Inventor	1	..	1
Superintendent Mill	3	..	3
Salesman	6	..	6
Druggist	2	..	2
Actress	..	1	1
Naval Officer	2	..	2
Sea Captain	1	..	1
Sheriff	1	..	1
Book Keeper	2	..	2
Shoe Stitcher	..	1	1
Shoemaker	2	..	2
Weaver	1	..	1
Carpenter	3	..	3
Cabinet Maker	1	..	1
Roofer	1	..	1
Machinist	1	..	1
Paper Maker	1	..	1
Hat Maker	1	..	1
Plumber	1	..	1
Pedler	1	..	1
Teamster	1	..	1
Seamstress	..	2	2
Servant	1	1	2
No Occupation	10	22	32
Total of *persons*	73	76	149

TABLE No. 10.

PROBABLE CAUSES OF DISEASE IN PERSONS ADMITTED.

Causes.	Persons Admitted.						Committed.						Voluntary.					
	Committed.			Voluntary.			Previous Attacks.			Hereditary Predisposition.			Previous Attacks.			Hereditary Predisposition.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
1. Physical:—																		
Ill health	2	7	9	..	1	1	..	2	2	1	2	3	..	1	1	..	1	1
Influenza	2	1	3	..	2	2	2	..	2	..	..	..	..	..	..	..	2	2
Neurasthenia	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..
Heart Disease	..	1	1	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..
Cerebral hemorrhage	1	..	1	1	..	1	1	..	1	1	..	1	1	..	1	..	..	..
Cancer of bladder	1	..	1	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..
Carbuncle	..	1	1	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..
Syphilis	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nephritis	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uterine	..	2	2	..	1	1	..	1	1	..	..	..	..	..	..	..	1	1
Menopause	..	2	2	..	5	5	..	1	1	..	1	1	..	1	1	..	2	2
Childbirth	..	3	3	..	1	1	..	1	1	..	2	2	..	..	..	..	1	1
Intemperance	3	1	4	4	..	4	..	..	..	..	..	..	3	..	3	..	..	..
Opium	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	1
Cocaine	1	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..
Injury to head	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Surgical operation	..	..	..	..	1	1	..	..	..	..	..	..	..	1	1	..	..	..
Overwork	6	1	7	2	1	3	2	..	2	1	..	1	..	..	..	1	..	1
Puberty	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Old age	2	2	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2. Mental:—																		
Anxiety	9	8	17	2	4	6	..	4	4	..	3	3	1	1	2	..	2	2
Grief	..	4	4	2	1	3	..	3	3	..	1	1	1	..	1	1	1	2
Religious Excitement	..	1	1	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..
Domestic and business trouble	..	..	..	2	..	2	..	..	..	..	..	..	2	..	2	..	..	..
Overstudy	1	..	1	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..
Unknown	16	13	29	10	10	20	4	4	8	3	1	4	3	6	9	3	3	6
Totals	50	47	97	23	29	52	10	16	26	8	13	21	11	10	21	5	14	19

TABLE NO. 11.

RECORD OF CASES ADMITTED WITHIN THE YEAR.

Patients.	Insane.			Voluntary Patients.			Total.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
Admitted	50	47	97	23	30	53	73	77	150
Discharged recovered	7	10	17	7	4	11	14	14	28
much improved	2	5	7	3	3	6	5	8	13
improved	6	4	10	3	3	6	9	7	16
not improved	7	4	11	1	7	8	8	11	19
Died	4	5	9	1	1	2	5	6	11
Remaining Dec. 31, 1892	24	19	43	8	12	20	32	31	63
Number likely to recover or improve	6	9	15	5	12	17	11	21	32

TABLE No. 12.

AGES OF INSANE AT FIRST ATTACK, ADMISSION AND DEATH.

Ages.	Persons First Admitted to any Hospital.						Persons Died.					
	At First Attack.			When Admitted.			At First Attack.			At Time of Death.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital	..	..	..	..	..	..	..	..	..	..	..	..
15 years and less	..	2	2	..	1	1	..	..	..	..	..	..
From 15 to 20 years	1	2	3	1	2	3	..	..	..	..	..	..
20 to 25 years	4	8	12	4	7	11	..	..	..	..	..	..
25 to 30 years	3	5	8	2	4	6	..	2	2	..	..	..
30 to 35 years	6	8	14	4	6	10	1	1	2	..	1	1
35 to 40 years	3	8	11	5	8	13	..	1	1	1	..	1
40 to 50 years	14	18	32	13	19	32	3	1	4	3	4	7
50 to 60 years	9	3	12	11	6	17	2	1	3	3	2	5
60 to 70 years	4	4	8	5	4	9	2	..	2	3	2	5
70 to 80 years	2	2	4	2	3	5	1	2	3	2	2	4
Over 80 years	1	..	1	2	..	2	..	..	..	..	..	..
Unknown	2	..	2	..	..	..	3	3	6	..	..	..
Total of persons	49	60	109	49	60	109	12	11	23	12	11	23
Mean ages	Yrs. 45.37	Yrs. 38.15	Yrs. 41.39	Yrs. 46.57	Yrs. 40.65	Yrs. 43.32	Yrs. 49.58	Yrs. 42.18	Yrs. 46.04	Yrs. 56.16	Yrs. 52.54	Yrs. 54.43

TABLE No. 13.

REPORTED DURATION OF INSANITY BEFORE LAST ADMISSION.

Previous Duration.	First Admission to any Hospital.			All other Admissions.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital	..	..	..	..	..	..	..	..	..
Under 1 mo.	19	20	39	8	9	17	27	29	56
Fr. 1 to 3 mo.,	11	20	31	6	4	10	17	24	41
,, 3 ,, 6 ,,	8	6	14	3	..	3	11	6	17
,, 6 ,,12 ,,	3	5	8	2	1	3	5	6	11
,, 1 ,, 2 yrs.	1	4	5	1	..	1	2	4	6
,, 2 ,, 5 ,,	6	2	8	1	1	2	7	3	10
,, 5 ,,10 ,,	1	2	3	1	1	2	2	3	5
,,10 ,,20 ,,	..	1	1	2	1	3	2	2	4
Total *cases*	49	60	109	24	17	41	73	77	150
Total *persons*,	..	..	..	24	16	40	73	76	149
Average of known persons (in years),	.57	.65	.60	2.12	2.03	2.09	1.06	1.00	1.03

TABLE No. 14.

FORM OF MENTAL DISEASE IN CASES ADMITTED OR DISCHARGED, WITH CONDITION ON DISCHARGE.

Form of Disease.	Cases Admitted.			Cases Discharged.																	
				Recovered.			Much Improved.			Improved.			Not Improved.			Died.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
A. Committed:—																					
Mania, acute	7	23	30	..	6	6	3	7	10	2	2	4	3	1	4	..	2	2	8	18	26
chronic	..	1	1	..	..	..	..	..	..	..	..	..	..	1	1	..	1	1	..	2	2
Melancholia, acute	13	11	24	10	6	16	2	1	3	2	1	3	2	3	5	1	1	2	17	12	29
chronic	..	2	2	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	1
Dementia, secondary	..	3	3	..	..	..	..	1	1	..	1	1	4	3	7	2	3	5	6	8	14
senile	3	3	6	..	..	..	..	..	..	..	..	..	..	1	1	1	1	2	1	2	3
General paralysis of the insane	13	..	13	..	..	..	..	..	..	4	..	4	3	..	3	3	1	4	10	1	11
Epileptic insanity	1	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	1
Toxic insanity	4	..	4	1	..	1	1	..	1	..	..	..	..	..	..	1	..	1	3	..	3
Post-paralytic insanity	2	..	2	..	..	..	..	..	..	..	..	..	1	..	1	1	..	1	2	..	2
Hebephrenia	..	1	1	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	1
Delusional insanity	6	3	9	..	..	..	..	1	1	3	3	6	1	4	5	..	..	..	4	8	12
Circular insanity	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	1
Moral insanity	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Folie du doute	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	1
B. Voluntary:—																					
Mania, acute	1	8	9	..	3	3	..	1	1	..	..	..	..	2	2	..	..	..	..	6	6
recurrent	1	..	1	..	..	..	2	..	2	..	..	..	..	..	..	..	..	..	2	..	2
Melancholia, acute	14	16	30	4	3	7	3	6	9	4	4	8	2	2	4	..	1	1	13	16	29
chronic	..	1	1	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	1
Dementia, secondary	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..	..	..	2	..	2
General paralysis of the insane	1	1	2	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	1
Epileptic insanity	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	1
Toxic insanity	3	1	4	2	..	2	..	..	..	1	..	1	..	..	..	..	..	..	3	..	3
Post-paralytic insanity	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	2	..	2
Delusional insanity	2	3	5	..	..	..	1	..	1	..	2	2	..	2	2	1	..	1	2	4	6
Total of cases	73	77	150	17	18	35	12	19	31	16	13	29	20	22	42	12	11	23	77	83	160
Total of persons	73	76	149	17	18	35	11	19	30	16	13	29	20	22	42	12	11	23	76	82	158

TABLE No. 15.

DISCHARGES, CLASSIFIED BY ADMISSION AND RESULT.

Number of the Admission.	Recovered.			Much Improved.			Improved.			Not Improved.			Died.			Totals.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First	14	16	30	7	9	16	11	12	23	15	18	33	10	8	18	57	63	120
Second	3	1	4	1	8	9	4	1	5	4	2	6	2	1	3	14	13	27
Third	..	..	..	1	1	2	1	..	1	1	1	2	..	2	2	3	4	7
Fourth	..	1	1	..	..	..	..	..	..	..	1	1	..	..	..	..	2	2
Eighth	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	1	..	1
Sixteenth	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	1
Twenty-ninth	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	1	..	1
Thirtieth	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	1	..	1
Total of cases	17	18	35	12	19	31	16	13	29	20	22	42	12	11	23	77	83	160
Total of persons	17	18	35	11	19	30	16	13	29	20	22	42	12	11	23	76	82	158

TABLE No. 16.

CAUSES OF DEATH.

Causes.	Committed.			Voluntary.			Totals.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
Nervous system:—									
Exhaustion from mania, acute	..	2	2	..	..	..	..	2	2
melancholia, acute	1	..	1	..	1	1	1	1	2
dementia, senile	1	1	2	..	..	..	1	1	2
Convulsions in chronic mania	..	1	1	..	..	..	..	1	1
General paralysis	3	1	4	..	..	..	3	1	4
Respiratory system:—									
Influenza	..	1	1	..	..	..	..	1	1
Pneumonia	1	..	1	..	..	..	1	..	1
Phthisis pulmonalis	..	1	1	..	..	..	..	1	1
General:—									
Apoplexy	1	..	1	2	..	2	3	..	3
Dysentery	..	2	2	..	..	..	..	2	2
Strangulated hernia	1	..	1	..	..	..	1	..	1
Chronic interstitial nephrites	1	..	1	..	..	..	1	..	1
Cancer	..	1	1	..	..	..	..	1	1
Suicide	..	..	..	1	..	1	1	..	1
Totals	9	10	19	3	1	4	12	11	23

TABLE No. 17.

RECOVERIES, CLASSIFIED BY DURATION OF DISEASE AND TREATMENT.

Period.	Last Attack.									All Attacks.					
	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.			Whole known period of Mental Disease.			Whole known period of Hospital Residence.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
A.—Committed:—															
Under 1 month . .	7	6	13	3	1	4	. .	. .	. .	. .	. .	. .	3	2	5
From 1 to 3 months .	2	6	8	2	7	9	3	7	10	3	7	10	1	7	8
3 to 6 months .	1	. .	1	5	3	8	3	4	7	2	3	5	5	1	6
6 to 12 months .	. .	. .	. .	. .	1	1	3	. .	3	4	1	5	1	1	2
1 to 2 years . .	1	. .	1	. .	. .	. .	. .	1	1	1	1	2	. .	1	1
2 to 5 years .	. .	. .	. .	. .	. .	. .	1	. .	1	. .	. .	. .	. .	. .	. .
5 to 10 years .	. .	. .	. .	1	. .	1	1	. .	1	1	. .	1	1	. .	1
Totals	11	12	23	11	12	23	11	12	23	11	12	23	11	12	23
Average of known cases (in months) .	3.65	.89	2.15	10.60	2.89	6.40	14.25	3.79	8.54	12.75	3.62	7.98	9.39	2.77	5.93
B.—Voluntary:—															
Under 1 month . .	3	3	6	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
From 1 to 3 months .	3	3	6	5	4	9	3	2	5	3	2	5	4	3	7
3 to 6 months .	. .	. .	. .	1	1	2	2	3	5	1	2	3	2	1	3
6 to 12 months .	. .	. .	. .	. .	1	1	1	1	2	2	1	3	. .	1	1
1 to 2 years .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1	. .	1	1
Totals	6	6	12	6	6	12	6	6	12	6	6	12	6	6	12
Average of known cases (in months) .	1.00	.64	.80	1.95	3.28	2.67	2.95	3.92	3.48	4.75	6.58	5.66	2.33	5.46	3.89

TABLE No. 18.

DEATHS, CLASSIFIED BY DURATION OF DISEASE AND TREATMENT.

Period.	Last Attack.									All Attacks.					
	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.			Whole Known Period of Mental Disease.			Whole Known Period of Hospital Residence.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
A. Committed: —															
Congenital	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Under 1 month	..	3	3	2	2	4	..	1	1	..	1	1	2	1	3
From 1 to 3 months	2	3	5	1	1	2	..	2	2	..	1	1	1	1	2
3 to 6 months	2	1	3	1	..	1	1	..	1	2	..	2	1	2	3
6 to 12 months	1	1	2	1	1	2	2	..	2	1	1	2	1	..	1
1 to 2 years	3	..	3	1	..	1	1	1	2	1	1	2	1	..	1
2 to 5 years	1	1	2	1	1	2	3	..	3	3	..	3	1	1	2
5 to 10 years	..	..	..	..	1	1	..	2	2	..	1	1	..	..	..
10 to 20 years	..	..	..	..	3	3	..	2	2	..	3	3	..	4	4
Over 20 years	..	1	1	2	1	3	2	2	4	2	2	4	2	1	3
Totals	9	10	19	9	10	19	9	10	19	9	10	19	9	10	19
Average of known cases (in months)	9 35	29.30	19.32	89.35	74.77	82.06	98.70	104.07	101.38	98.70	105.77	102.24	89.75	92.42	91.09
B. Voluntary: —															
From 1 to 3 months	1	1	2	1	1	2	..	1	1	..	1	1	..	1	1
3 to 6 months	1	..	1	..	..	..	1	..	1	..	..	..	1	..	1
6 to 12 months	1	..	1	2	..	2	..	..	..	1	..	1	2	..	2
1 to 2 years	..	..	..	..	..	..	2	..	2	2	..	2	..	..	..
Totals	3	1	4	3	4	1	3	1	4	3	1	4	3	1	4
Average of known cases (in months)	5.00	1.00	3.66	8.00	1.50	5.83	13.00	2.50	9.50	13.00	2.50	9.50	6.00	1.50	4.50

TABLE No. 19.

ANNUAL ADMISSIONS SINCE THE OPENING OF THE HOSPITAL, WITH THE DISCHARGES AND DEATHS WITHIN THE OFFICIAL YEAR AND THE NUMBER OF EACH YEAR'S ADMISSIONS REMAINING Dec. 31, 1892.

Years Ending Dec. 31.	New Cases.																	
	Admitted.			Discharged and Died in 1892.														
				Recovered,			Much Improved.			Improved.			Not Improved.			Died.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Previous years				..	..	.	..	..	..	..	..	..	1	2	3	2	3	5
1883	34	41	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1884	40	35	75	..	..	..	..	..	..	..	..	..	1	1	2	..	..	..
1885	38	29	67	..	..	..	..	1	1	..	..	..	1	..	1	..	..	..
1886	28	31	59	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
1887	21	33	54	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..
1888	38	41	79	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
1889	47	40	87	..	..	..	..	..	..	..	1	1	2	..	2	..	1	1
1890	36	47	83	..	..	..	1	1	2	..	1	1	1	1	2	..	..	..
1891	39	50	89	2	3	5	4	3	7	5	3	8	2	5	7	3	0	3
1892	49	60	109	11	13	24	2	4	6	6	7	13	7	8	15	4	4	8
Total				14	16	30	7	9	16	11	12	23	15	18	33	10	8	18

TABLE No. 19.

ANNUAL ADMISSIONS SINCE THE OPENING OF THE HOSPITAL, WITH THE DISCHARGES AND DEATHS WITHIN THE OFFICIAL YEAR AND THE NUMBER OF EACH YEAR'S ADMISSIONS REMAINING Dec. 31, 1892. — *Concluded.*

Years Ending Dec. 31.	Re-Admitted Cases.																		Remaining of Each Year's Admissions. Dec. 31, 1892.		
	Admitted.			Discharged and Died in 1892.																	
				Recovered.			Much Improved.			Improved.			Not Improved.			Died.					
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Previous years				..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	22	18	40
1883	14	20	34	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	3	2	5
1884	15	23	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	..	5
1885	16	12	28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2
1886	21	13	34	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	4
1887	11	10	21	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	2	1	3
1888	9	17	26	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	2	9	11
1889	11	15	26	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	2	6
1890	25	15	40	..	..	..	..	..	..	..	..	..	1	1	2	1	..	1	4	7	11
1891	14	16	30	..	1	1	2	5	7	2	..	2	2	..	2	..	..	..	3	15	18
1892	24	17	41	3	1	4	3	4	7	3	1	4	1	3	4	1	2	3	32	31	63
Total . . .				3	2	5	5	10	15	5	1	6	5	4	9	2	3	5	81	87	168

TABLE No. 20.

RELAPSED CASES ADMITTED IN EACH YEAR AND DISCHARGED IN 1892.

Years Ending Dec. 31.	Cases Previously Recovered in this Hospital.																				
	Admitted.			Discharged and Died in 1892.															Remaining Sept. 30, 1892.		
				Recovered.			Much Improved.			Improved.			Not Improved.			Died.					
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
1883	2	10	12	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..
1884	4	9	13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
1885	6	9	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
1886	10	3	13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
1887	3	4	7	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..
1888	4	8	12	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	1	1
1889	5	5	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1890	8	4	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
1891	5	8	13	..	1	1	2	2	4	..	..	..	..	..	..	..	..	..	..	3	3
1892	9	7	16	3	..	3	2	1	3	..	..	..	1	1	2	..	..	..	4	4	8
Totals . . .	56	67	123	3	1	4	4	3	7	..	1	1	2	1	3	..	1	1	6	10	16

TABLE No. 21.

TABLE SHOWING THE COST OF PRINCIPAL STORES AT McLEAN HOSPITAL.

Articles.	1890.			1891.			1892.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef lbs.	76,613	$8,545.25	.1115	81,656	$9,651.80	.1182	80,029	$9,008.48	.1125
Mutton and Lamb ,,	27,802	2,817.36	.10	21,849	2,194.25	.10	21,569	2,249.65	.1043
Veal ,,	12,983	1,317.05	.1015	11,405	1,154.26	.1012	12,250	1,230.78	.1004
Poultry ,,	21,137	3,436.46	.162	17,709	2,828.92	.159	21,458	3,890.11	.1812
Ham, etc. ,,	12,717	1,345.78	.105	12,727	1,320.07	.103	14,368	1,540.03	.107
Eggs doz.	12,278	2,666.49	.217	12,534	2,698.53	.215	12,394	2,667.12	.215
Lard lbs.	3,788	282.67	.074	3,100	283.20	.091	3,407	298.90	.081
Flour bbls.	543	2,918.84	5.375	554	3,146.62	5.679	582	2,920.60	5.018
Butter lbs.	21,164	5,004.93	.231	20,399	5,174.90	.253	21,237	5,222.96	.245
Coffee ,,	3,536	900.14	.254	3,689	982.08	.266	3,686	964.75	.261
Tea ,,	1,377	335.00	.243	1,634	396.81	.242	1,675	441.50	.263
Sugar ,,	31,276	1,962.89	.063	31,824	1,577.05	.049	34,857	1,531.91	.043
Lights, Gas, etc. feet		3,178.34			3,221.45			3,221.36	
Coal tons	$1,113\frac{570}{2000}$	6,232.48	5.598	$1,608\frac{1110}{2000}$	8,515.42	5.293	$1,478\frac{405}{2000}$	8,281.68	5.601
Wood cords				$10\frac{1}{2}$	89.25	8.50			
Ice tons	$409\frac{1700}{2000}$	2,102.10	5.128	$423\frac{1300}{2000}$	847.30	2.00	$463\frac{1600}{2000}$	927.60	2.00

TENTH ANNUAL REPORT

OF THE

McLEAN HOSPITAL TRAINING SCHOOL FOR NURSES.

The training school having been organized in 1882, the year just ended was the tenth of its existence, not counting the three previous years in which the preparatory work of founding the school was going on. There were graduated in the last year fifteen women and twelve men, making the total product of the school, in the ten years from its beginning, one hundred and forty-three nurses — one hundred women and forty-three men.

Every year brings new evidence of the value of these nurses, not only to the Hospital but to the public. The following table shows how they are employed, and is a summary of the work of the school in its business of giving a professional training that is of itself of great practical value in the ordinary walks of life.

	Women.	*Men.*
Number of graduates in 10 years	100	43
Graduates remaining in the service	8	5
Pupils in Boston Training School	7	
Previously graduated at Boston Training School	15	
Superintendents of nurses, other hospitals	5	1
Employed in other institutions	5	4
Engaged in private nursing	44	16
Married and left the profession	21	
At home	5	7
Deceased	1	1
Medical students		5
In other business		4
Pupils now in this school	41	27

It is interesting to note that about one hundred of these graduates are still directly engaged in work for which they

had professional training in this school. There is an increasing demand for the services of those who have the capacity and qualifications for teaching and managing the new schools of this kind that are being organized. The small number of graduate nurses now remaining in this hospital is further evidence of the appreciation in which they are held in the public service. Their success in finding employment in general nursing, particularly in medical cases, compares well with that of the graduates of the general hospital schools. All these things go to show the substantial character of the demand for such service. While the hospital work is sometimes temporarily lacking in the number of trained nurses that is desirable, still the conditions are favorable to increasing improvement in their quality.

The advancement of nursing-reform for the insane has been marked during the past year by the evidences of a great step forward. New schools are being opened, and testimony has been coming from the earlier established American schools of the satisfactory and promising character of the first products of their new work. Seeing is believing, in this case, and every hospital superintendent who organizes this system of training his nurses on effective lines, at once joins the ranks of its advocates. The British Medico-Psychological Association was able to unify a system for all the hospitals in relation with it, in a manner not possible in America. No one doubts that this will prove to be a great epoch in the care of the insane, and a result of it is now being seen in the appearance of published lists of nurses who possess the certificate of proficiency in nursing. Such a systematic organization, now that it is accomplished, may of itself have a very potent influence in developing a high order of service in a short space of time compared with the unavoidable slowness of the movement in this country. It would be of the greatest possible value to the cause if the establishment of such schools could be made general in our hospitals, and if some good standard of requirements could be agreed upon in their teaching. It is to be hoped that the American Medico-Psychological Association, with the efficiency of its new organization, will improve its great opportunity to promote this reform by the concerted action of its members.

Much has been written, in these reports, of the relation of our special hospitals to the general hospitals, in respect to the difference in the means for training nurses and its effects upon them. The development of this reform is proving, as its long preliminary history did, that it was delayed by something lacking in the attempts that were made to begin it. This lack has been made up by assuming that these special institutions are true hospitals, and by insisting upon giving the pupils in their schools as good a training as possible in general nursing. In our large hospitals for mental diseases the conditions are adequate for excellent teaching in bodily nursing. Nothing can be a greater help to develop the hospital idea, and to prevent the narrowing of work into institution ruts, than to require the medical officers to engage in this teaching of nurses in the general field of medicine and surgery. He who teaches learns ; and this is a most important by-product of the process of educating a good general nurse whose success in professional work after leaving the hospital is the most effective of all attractions to invite capable women to seek such training. There would seem to be no longer any excuse for the complaint that the only material obtainable for attendants is too poor to be trained. The establishment of the system of training is first requisite as a means of attracting the better material. Everything goes to show that it will then come.

There still seems to be need of repeating the statement that certain experiences here have demonstrated the difference in the effect of the training upon the nurses in these special hospitals and in the general ones. It is true that the bodily nursing in the latter has the readiest attraction ; it is because it is the most objective,— there is apparently more to see and do. The nurses so trained do not take to mental nursing,— in fact they commonly dislike "nervous cases." Here is one secret of the successful competition with them of those trained in mental nursing. The latter have a certain quality which the general physician is quick to appreciate,— the general hospitals have not the conditions for imparting it so well. There can be no doubt that certain qualities of patience, tactfulness, and the like, must be demanded to a greater degree in the care of nervous and insane cases than in the

work of a general hospital. A nurse trained in such a hospital would surely get an experience from a term of service in mental nursing, the value of which she could not fail to appreciate in her practical work of a general nurse. The trouble has always been that she has not the interest to undertake mental nursing, nor the patience to pursue it. That has been the general rule everywhere; there were many trials of it here in the preparatory years of this school, and there are probably few exceptions to the rule. It is especially satisfactory, therefore, to note two recent exceptions here: two nurses from the Boston City Hospital are now taking the graduate course of one year in this school, in a way that is very encouraging.

There are some things to be learned from the observations here referred to that are worth the stating. The chances are decidedly against success in attempting to start a nursing school in a hospital for the insane under the charge of a nurse not trained in such a hospital. It would be better to send a promising supervisor, experienced in mental nursing, to a general hospital for six months or a year to get the special training. Failing this, a nurse with the requisite training should be sought. A nurse whose first training is in the care of mental cases can go to a general hospital and come back to her earlier work with the ability to stay in it, and will be a better teacher for having the supplementary general training. But as a matter of fact, so far, the rule is that changing the other way does not work well in the organizing of schools. It is perfectly natural that people like to have a reason for not doing what they do not like to do; but it is fair to expect that some day the value of a training in mental nursing will be duly appreciated — and more than this, the value of the work to those who do it, and pursue it long enough to get into the spirit of it, as those do who begin their training in it. Then it will afford the peculiar satisfaction that comes from the exercise and training of the special qualifications that such work demands. This is only a part of the great reform that is now coming in the care of the insane. The requirement is that this shall be a field for the best clinical work, so attractive in its interest and worthiness as to invite the most capable workers to it. When the science

of psychiatry is brought into its intimate and proper relations with other branches of medicine, there will be nothing in the nurse or the physician alien to the closest affiliation of this work with that of other physicians and nurses, but there will be mutual helpfulness in all particulars. Anything that now promotes this helps to hasten the day when mental disorders will be better understood and treated.

In the following pages are given the circular of information to applicants, and the course of instruction.

EDWARD COWLES,

Superintendent.

McLEAN HOSPITAL TRAINING SCHOOL FOR NURSES.

The Trustees of the Massachusetts General Hospital, having established at the McLean Hospital a school for nurses, offer to give to men and women desirous of becoming professional nurses a two years' course of training in general nursing, with special reference to the care of cases of nervous and mental disease.

Those wishing to receive such a course of instruction must apply to the Superintendent of the McLean Hospital, Somville, Mass.

The most desirable age for candidates is from twenty-one to thirty-five years. *They must be in sound health, and must send with their application a certificate from a physician certifying to the fact; also, one from some responsible person as to their good character and good health.* Upon the recommendation of the Superintendent of the Hospital and the approval of the Trustees, they will be received for two months on probation, at the expiration of which time they will, if accepted, sign an agreement to complete the prescribed course of two years.

The Superintendent of Nurses has charge of the Training School, under the authority of the Superintendent of the Hospital and of the Board of Trustees; and the nurses are subject to the rules of the Hospital. Their fitness for the work and the propriety of retaining or dismissing them at the end of the two months of trial are determined by the authorities in charge of the School, under the direction of the Trustees; and the same authorities can in like manner discharge them at any time in case of misconduct or inefficiency. They reside in the Hospital, and serve as assistant nurses in its wards.

All nurses are required to be intelligent, trustworthy, kind, and cheerful.

The instruction includes the general care of the sick; the managing of helpless patients in bed; in moving, changing bed and body linen, making of beds, etc.; giving baths, keeping patients warm or cool, preventing and dressing bed sores; bandaging, applying of fomentations, poultices, and minor dressings; the preparing and serving of food, the

feeding of helpless patients and those who refuse food ; the administering of enemas and use of the catheter ; attendance upon patients requiring diversion and companionship; the observation of mental symptoms, delusions, hallucinations, delirium, stupor, etc., and the care of excited, violent, and suicidal patients.

They are also given instruction in the best practical methods of supplying fresh air, warming and ventilating sick rooms in a proper manner, and are taught to take proper care of rooms and wards ; in keeping all utensils perfectly clean and disinfected, etc. ; to observe the sick accurately in regard to the state of the secretions, pulse, breathing, skin, temperature, sleep, appetite, effect of diet, of stimulants, and medicine ; the giving of massage, and the managing of convalescents.

Instructions will also be given in the modern methods of physical training, by the use of free movements and the usual apparatus, in a gymnasium provided for the patients. The nurses are taught the medical application of physical exercise. Each nurse is required to have a gymnasium costume ; the material for the dress will be furnished, at moderate cost, by the Hospital.

The instruction is given by the Superintendent of the Training School, and by the Supervisors and Head Nurses. Lectures and demonstrations will be given at stated periods by the Hospital Medical Staff. Examinations, chiefly upon practical points, take place from time to time.

The pupils are employed as assistant nurses in the wards of the Hospital. Women will be paid twelve dollars ($12) per month during the first year, and fifteen dollars ($15) per month during the second year, for their clothing and personal expenses. Their education during this time is considered as compensation for their services. Men will be paid twenty-three dollars ($23) per month during the first year, and twenty-five ($25) per month during the second year. These are the former rates not yet reduced to the Training-School system. Women graduates will be paid twenty-five dollars ($25) per month during the first year, and thirty dollars ($30) per month thereafter. Those who have had an additional year of training at the General Hospital are paid thirty-five dollars ($35) per month on returning to the service of

the McLean Hospital. Men graduates will be paid twenty-seven dollars ($27) and thirty dollars ($30) per month, according to length of service.

The men and women are required to wear at all times, while on duty in the wards, the Hospital uniform.

When the full term of two years is completed, the nurses thus trained receive (after final examinations) diplomas certifying to their period of training, their proficiency, and good character.

The right is reserved to terminate the connection of any nurse or pupil with the School, for any reason which may be deemed sufficient.

A female graduate of this School, who wishes to have additional practical experience and instruction in general nursing, has the privilege, under certain restrictions, of entering the Boston Training School for Nurses at the Massachusetts General Hospital. Such graduates will, after one year's satisfactory study, receive the diploma from that School, in addition to the diploma received from the McLean Hospital Training-School.

N. B. This paper to be filled in (in the Candidate's own handwriting), and sent, with recommendations and physician's certificate, to the Superintendent of the McLean Hospital, Somerville, Mass.

QUESTIONS TO BE ANSWERED BY CANDIDATE.

1. Name in full of Candidate
2. Are you single, married, widow, or widower?
3. Your present or last occupation or employment?
4. Age last birthday, and date and place of birth?
5. Height? Weight?
6. In what school or schools educated, and in what place?
7. Are you strong and healthy, and have you always been so?
8. Are your sight and hearing perfect?
9. Have you any physical defects?
10. Have you any tendency to pulmonary complaint?
11. If a widow or widower, have you children? How many? Their ages? How are they provided for?
12. Are you otherwise free from domestic responsibility, so that you are not liable to be called away?
13. Where (if any) was your last situation, and how long were you in it?
14. Have you ever been in any training school or employed in any hospital or asylum? If so, where and how long in each place?
15. The names in full and addresses of two persons, not of your own kindred, to be referred to. State how long each has known you. If previously employed, one of these must be the last employer.
 Name
 Address
 has known me years.
 Name
 Address
 has known me years.

Having read, and clearly understanding and agreeing to the foregoing conditions and regulations, I declare the above statement to be correct.

Signed
Candidate.

Present Address

Nearest Telegraph Office

Date 189

COURSE OF INSTRUCTION.

JUNIOR YEAR.

A Manual for Hospital Nurses *Domville.*
Physiology and Hygiene (to the Nervous System) . *Hutchison.*
Notes on Fever Nursing *Allan.*
A Text-book of Nursing *Weeks.*
What To Do First in Emergencies *Dulles.*
Accidental Injuries *Cantlie.*
Practical Instruction in Massage (twelve lessons).
Physical Training (thirty lessons).
Instruction in the Wards by the Supervisor and Superintendent of Nurses.
A Lecture each week, First Assistant Physician.

SENIOR YEAR.

Physiology and Hygiene (completed) *Hutchison.*
A Text-book of Nursing (completed) *Weeks.*
A Short Manual for Monthly Nurses *Cullniworth.*
Notes on Surgery for Nurses *Bell.*
Hand-book for Hospitals (selections),
State Charities Aid Association, N. Y.
How to Care for the Insane *Granger.*
Hand-book for the Instruction of Attendants on the Insane.
Sub-Com. British Med.-Psych. Association.
Practical Instruction in Cooking (six lessons).
Physical Training (thirty lessons).
Instruction in the wards by the Supervisor and Superintendent of Nurses.
A Lecture each week, Superintendent.

ORDER OF EXERCISES, 1892-93.

WOMEN.

Monday.

11.00 A. M.	Junior Class (1st Div.), Recitation	MISS CLELAND.
4.15 P. M.	Senior Class Recitation, . . .	MISS WOODWARD.
7.00 P. M.	Junior Class (2d Div.), Recitation	MISS CLELAND.
8.00 P. M.	Junior Class (1st Div.), Massage,	MISS WOODWARD.
8.00 P. M.	Junior Class (2d Div.), Massage,	MRS. PIERCE.

Tuesday.

11.00 A. M.	Senior Class (2d Div.), Recitation	Miss Woodward.
4.15 P. M.	Senior Class Lecture	Dr. Cowles.

Wednesday.

4.15 P. M.	Senior Class, Instruction in Physical Training	Miss Bartlett.

Thursday.

11.00 A. M.	Head Nurses, Review, etc. . .	Miss Woodward.
2.00 P. M.	Senior Class (1st or 2d Div.), Cooking	Mrs. Dearborn.
4.15 P. M.	Junior Class, Lecture	Dr. Tuttle.
7.00 P. M.	Junior Class, Instruction in Physical Training	Miss Bartlett.
8.00 P. M.	Junior Class (3d Div.), Massage,	Miss Woodward.
8.00 P. M.	Junior Class (4th Div.), Massage,	Mrs. Pierce.

Saturday.

4.15 P. M.	Junior Class (in Divisions of Six on alternate weeks), Care of Sick Patients in Bed, Poulticing, etc.	Miss Cleland. Miss Clark.

MEN.

Monday.

4.15 P. M.	Junior Class, Recitation . . .	Dr. Fuller.
6.30 P. M.	Senior Class, Instruction in Physical Training	Mr. Ryder.

Tuesday.

11.00 A. M.	Senior Class (1st or 2d Div., from Feb. 14th), Massage . . .	Mr. Webber.
4.15 P. M.	Senior Class, Lecture	Dr. Cowles.

Wednesday.

4.15 P. M.	Junior Class, Lecture	Dr. Tuttle.

Thursday.

11.00 A. M.	Junior Class (1st and 2d Div. on alternate weeks, from Feb. 16), Bandaging	Dr. Fuller.

2.00 P. M.	Senior Class (1st or 2d Div.), Cooking	MRS. DEARBORN.*
4.15 P. M.	Junior Class, Instruction in Physical Training	MR. RYDER.

Friday.

11.00 A. M.	Junior Class (1st and 2d Div. on alternate weeks, from Feb. 3d), Care of Sick Patients in Bed, Poulticing, etc. . .	MR. WEBBER.
4.15 P. M.	Senior Class, Recitation . . .	DR. FULLER.

Officers of the Institution

1893.

President.

CHARLES H. DALTON.

Vice-President.

John Lowell.

Treasurer.

Franklin Haven, Jr., 28 State Street.

Secretary.

Thomas B. Hall, 75 State Street.

Trustees.

Samuel Eliot, *Chairman*, 44 Brimmer Street.
*Frederick L. Ames, 96 Ames Building.
*Charles V. Bemis, Medford, Mass.
Edmund Dwight, 50 State Street.
William Endicott, Jr., 32 Beacon Street.
*David P. Kimball, 35 Congress Street.
Thornton K. Lothrop, 27 Commonwealth Avenue.
*Thomas E. Proctor, 127 South Street.
Nathaniel Thayer, 50 State Street.
David R. Whitney, 85 Devonshire Street.
Henry P. Walcott, 13 Beacon Street.
Roger Wolcott, 945 Exchange Building.

Board of Consultation.

Algernon Coolidge, M. D.
Francis Minot, M. D.
Morrill Wyman, M. D.
George G. Tarbell, M. D.
George C. Shattuck, M. D.
Richard M. Hodges, M. D.
Samuel L. Abbot, M. D.
Frederick I. Knight, M. D.

STANDING COMMITTEES.

Admitting Asylum Patients.

Messrs. Dwight and Whitney.

Finance.

Messrs. Endicott and Kimball.

*Appointed by the Governor of the Commonwealth.

Accounts and Expenditures.
Messrs. Wolcott, Thayer, and Lothrop.

Buildings and Repairs.
Messrs. Dwight, Eliot, and Whitney.

Free Beds.
Messrs. Proctor and Whitney.

The General Library and Warren Fund.
Messrs. Eliot and Bemis.

Book of Donations.
Dr. Bemis.

Nominations.
Messrs. Eliot, Wolcott, Lothrop, and Thayer.

New Asylum and Grounds.
Messrs. Dalton, Dwight, Eliot, Endicott, Ames, and Walcott

VISITING COMMITTEES.

June and December.
Messrs. Whitney and Ames.

January and July.
Messrs. Bemis and Proctor.

February and August.
Messrs. Wolcott and Kimball.

March and September.
Messrs. Endicott and Lothrop.

April and October.
Messrs. Dwight and Walcott.

May and November.
Messrs. Eliot and Thayer.

LADIES' VISITING COMMITTEE.

January and February.
Mrs. F. L. Ames. Mrs. J. Arthur Beebe. Miss Ida G. Beal.

March and April.
Mrs. N. Thayer. Mrs. Eugene V. R. Thayer.

May.
Mrs. J. C. Gray. Mrs. T. E. Proctor. Miss Jeanie L. Motley

June.
Miss Jeanie L. Motley. Mrs. E. F. Bowditch.

July.
Miss Ellen O. Proctor.

October.
Mrs. E. F. Bowditch.

November.
Miss Anne W. Morrill. Mrs. H. W. Haynes.

December.
Miss Ellen O. Proctor.

General.
Miss Elizabeth O. Tappan. Mrs. Edward Ver Plank.

OFFICERS OF THE HOSPITAL.

Resident Physician.
John W. Pratt, M. D.

Visiting Physicians.
Wm. L. Richardson, M. D.
Edward N. Whittier, M. D.
Elbridge G. Cutler, M. D.
Frederick C. Shattuck, M. D.
Reginald H. Fitz, M. D.
William W. Gannett, M. D.

Visiting Surgeons.
Charles B. Porter, M. D.
John Collins Warren, M. D.
Henry H. A. Beach, M. D.
John Homans, M. D.
Arthur T. Cabot, M. D.
Maurice H. Richardson, M. D.

Physicians to Out-Patients.
Charles P. Strong, M. D.
Herman F. Vickery, M. D.
Harold C. Ernst, M. D.
George M. Garland, M. D.
James T. Minot, M. D.
Charles W. Townsend, M. D.

Surgeons to Out-Patients.
John W. Elliot, M. D.
Frank B. Harrington, M. D.
William M. Conant, M. D.
Samuel J. Mixter, M. D.
Otis K. Newell, M. D.
Charles L. Scudder, M. D.

Physician to Out-Patients with Diseases of the Skin.
James C. White, M. D.

Physicians to Out-Patients with Diseases of the Nervous System.
James J. Putnam, M. D. George L. Walton, M. D.

Physician to Out-Patients with Diseases of the Throat.
Algernon Coolidge, Jr., M. D.

Ophthalmic Surgeon to Out-Patients.
Oliver F. Wadsworth, M. D.

Aural Surgeon.
J. Orne Green, M. D.

Pathologist.
William F. Whitney, M. D.

Chemist.
Edward S. Wood, M. D.

MEDICAL AND SURGICAL ASSISTANTS.

Assistants for Diseases of the Nervous System.

HENRY C. BALDWIN, M. D. CYRUS F. CARTER, M. D.

Assistant to Ophthalmic Surgeon.

FREDERICK E. CHENEY, M. D.

Assistants for Diseases of the Throat.

J. PAYSON CLARK, M. D. FREDERICK C. COBB, M. D.

Assistant for Diseases of the Skin.

JOHN T. BOWEN, M. D.

Medical House Pupils, 1892–93

E. CHANNING STOWELL. JOSEPH L. GOODALE.

Surgical House Pupils, 1892–93.

FRANKLIN G. BALCH. JOHN DANE.
CHARLES A. PORTER. FRED B. LUND.
FRANK LYMAN. GEORGE W. W. BRUSTER.

Matron.

G. L. STURTEVANT.

Superintendent of Nurses.

MARIA B. BROWN.

Apothecary.

CHARLES H. SAMPSON, PH. G.

OFFICERS OF THE McLEAN HOSPITAL.

Medical Superintendent.

EDWARD COWLES, M. D.

1st Assistant Physician.

GEORGE T. TUTTLE, M. D.

2d Assistant Physician. *Assistant Physician and Pathologist.*

DANIEL H. FULLER, M. D. WILLIAM NOYES, M. D.

House Pupils.

FOLLEN CABOT, JR. CHARLES B. STEVENS.

GEORGE A. HARLOW.

Superintendent of Nurses and Matron.

LUCIA E. WOODWARD.

Supervisors.

CHARLES E. WEBBER. REBECCA H. CLELAND.

Apothecary.

FRANK W. ADAMS.

Purveyor.

JOHN P. BRADBURY.

Clerk.

FRANCES E. GILBERT.

EIGHTIETH ANNUAL REPORT

OF THE

TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

AND

McLEAN HOSPITAL

1893

BOSTON
L. BARTA & CO., PRINTERS, 148 HIGH STREET
1894

EIGHTIETH ANNUAL REPORT OF THE TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

For the year 1893.

THE Committee appointed by the Board of Trustees to prepare the annual report of that Board to the Corporation and to examine the accounts of the Treasurer and the reports of the other officers respectfully submit the following report: —

The year opens with a deficit of over $29,000, the largest in the history of the hospital, a great part of which, however, is owing to necessary repairs and alterations connected with the buildings.

The following figures are of interest in this connection:

The amount received from patients during the first six months	$15,486.35
During the second six months	8,744.80
Making a total of	$24,231.15
From B patients first six months	5,147.85
From B patients second six months	370.00
Total	$5,517.85
This shows a falling off in the receipts in the second six months	$6,741.55
While the increase in disbursements was	8,470.17

This falling off is mainly due to the temporary closing of Ward B, and also to the fact that the year has been one of great and exceptional financial depression.

Among the distinguished names that have been connected with the Massachusetts General Hospital, a prominent place will always be held by that of Dr. George C. Shattuck, whose death at a ripe age has occurred during the past year. He was connected with the institution as visiting physician for a period of thirty-six years, until his resignation in 1886, at which time a vote of the Trustees expressed their grateful recognition of his long and valuable services. He was identified with the hospital during an important period of its growth in usefulness and reputation, to both of which his professional skill and disinterested devotion greatly contributed.

In the sudden death of Mr. Frederick Lothrop Ames, the Board of Trustees has suffered a great loss. His warm sympathy, his genial personality, his kindness of heart, and modesty of bearing, and his clear, good judgment in all matters which called for action made it a pleasure as well as a privilege to be associated with him on the Board, and his death was a cause of profound and sincere regret.

The resignation of Mr. David R. Whitney deprives the Board of Trustees of a member for many years devoted to the interests of the hospital.

He was elected treasurer May 6, 1881, which office he resigned on April 4, 1882.

He was then elected trustee on Nov. 4, 1887, and resigned Jan. 12, 1894.

At the time of his resignation the following vote was passed by the Board of Trustees.

" That the resignation be accepted, and that the secretary be requested to express to Mr. Whitney the regret with which the trustees part with him as one of their number."

On March 17, the Board was notified of the death of Dr. Charles P. Strong, physician to out-patients,

and resolutions were passed expressing their appreciation of Dr. Strong's services, their recognition of the loss which the hospital had sustained in his death, and their sympathy with his family; and the chairman was requested to inform his widow of the action of the Board.

The death of Dr. Cyrus F. Carter, for five years assistant in the department of nervous diseases, has deprived the hospital of the services of an able, faithful, and valued officer.

On December 1, Dr. John H. McCollom was elected to the new office of examining physician to out-patients, the previous arrangements for examination and registration not having proved wholly satisfactory. The present arrangement promises to work better, but it should be remembered that the problem of preventing the abuse of gratuitous medical service by persons who are able to pay is a universal one, common to all great hospitals, and for which no satisfactory solution has yet been found.

Dr. J. Payson Clark, who has been acting as assistant in the throat department, has been appointed physician to out-patients with diseases of the throat, to fill the vacancy caused by Dr. Hooper's death.

Dr. A. K. Stone has been elected a physician to out-patients.

Dr. Walter E. Paul and Edward W. Taylor have been appointed assistants in the department of nervous diseases.

Dr. Arthur T. Amadon has been appointed assistant in the eye room.

In the Board of Trustees, Dr. W. S. Bigelow was appointed by the Governor of the Commonwealth to succeed Mr. Frederick Lothrop Ames.

In the hospital building some considerable and important changes have been made. The old Tread-

well Library room has been adapted to give a much needed addition to the workroom of the enlarged staff of house officers, while the Treadwell Library itself has been transferred to a new room on the second story, made by alteration of the old and now disused quarters of the resident physician. The result is eminently satisfactory. A large, handsome, and well-lighted room gives ample and fitting accommodation to the books of the library, to the very considerable collection of pictures and busts belonging to the hospital, and, for the first time in the history of the institution, affords a proper room for the meeting of its officers. The Board desires to express its recognition of the fact that this successful result is chiefly due to the constant and watchful interest taken in the plans and progress of the work by Mr. Dwight.

Additional house officers' rooms, with suitable bathrooms, have been provided. A new room for diseases of the throat in the amphitheatre building has been appropriately named the Hooper Memorial Room, out of respect for the memory of the late Dr. Franklin H. Hooper. The instruments and fixtures of this new room were those of Dr. Hooper's private office, and their presentation to the Hospital by his brother, Mr. Robert C. Hooper, is gratefully acknowledged by the Trustees.

A small room, No. 412, has been taken in the Exchange Building, 53 State Street, to give suitable accommodation for the plans and business connected with the erection of the new buildings and improvements at Waverley, and Mr. William B. Fuller, an engineer of experience, has been engaged in connection with the work, which progresses in the most satisfactory manner. Full details in regard to this will be found in the special reports.

The Belmont branch of the Metropolitan sewer

has, since the date of the last report, been built to a point within the limits of the town, and it now remains with the local authorities to construct a sewer system of their own to connect therewith.

A duly appointed committee of the town has caused a survey to be made for sewers of sufficient capacity to meet the requirements of the town of Belmont and of the hospital.

The rapidly growing village of Waverley is now wholly destitute of a proper drainage, and must soon, under the imperative demands of its own needs, be provided with sewers.

The most economical method of protecting this village, and relieving the hospital from the possible inconveniences from a chemical or irrigation system of sewage disposal, is, undoubtedly, the construction of a sewer under some agreement with the town as to the equitable division of the expenses of building the same. It is hoped that such an agreement can be brought about.

On the second of June plans were adopted for changes and additions to the amphitheatre building of the Massachusetts General Hospital at a cost of $14,000. These included an addition of one story, containing a new sterilizing room for the preparation of surgical instruments and dressings, which has been made necessary by the refinements of modern surgery, and is admirably adapted to its purpose. A new dressing-room for the surgeons has also been provided.

A gift of $50,000 from Mr. George A. Gardner has at last made it possible to erect a new isolated ward for contagious diseases. Such a ward has been needed since the foundation of the hospital. Its absence has been a misfortune, alike to the institution and the community, both of which are now to be

congratulated that the wisdom and generosity of a public-spirited friend has finally made its construction possible.

Special reports published by the Training School give full information in regard to that admirable and successful institution.

In September the attention of the Board was called to the case of Mr. William H. King, a patient of the McLean Hospital, who was removed by order of court from the hospital, pending an inquiry into his sanity. The exceptional character of this case, and the abstract questions involved in it, seemed to the Board to justify the appointment of a special committee to investigate and report on the facts. After a full and careful examination, the Committee made, on December 15, a report, which is here appended in full, and a copy of which was also, by a vote of the Trustees, sent to the State Board of Lunacy and Charity, and by them printed in the annual report of that Board.

On November 3 a card catalogue of all the cases at the General Hospital from 1871 was ordered made. It would be hard to overstate the value of this provision.

In September the sum of $400 was received from Miss Helen C. Bradlee, for glass-top tables and other furniture of the Bradlee Operating Theatre. The Trustees gratefully recognize this additional mark of good-will to the Hospital on the part of its beneficent friend.

The Committee on the Book of Donations reports that the following donations and legacies have been received during the year:

Donation of Arthur T. Cabot to the Samuel Cabot Fund for pathological investigation .	$2,000.00

Donation of Isaac Sweetser to Convalescent Home, in memory of Dr. Edward H. Clark	$1,000.00
Bequest of Philip Waldmeyer for free beds	1,000.00
Part of bequest of Elizabeth W. Gay income for free beds	7,700.00
Part of bequest of Anne S. C. Prince	175.00
Part of donation of George A. Gardner, for a ward	21,000 00
That there have been received in subscriptions for free beds	11,998.00

Especial attention is again called to the exceptional facilities and advantages for the treatment of children in the Massachusetts General Hospital. An impression appears to exist in the minds of a part of the public that the service of the hospital is intended only for adults. This is contrary to the fact, as every facility exists for the best treatment of children, and it is believed that both the old and the young gain something from each other in the peculiar associations of the hospital.

Urgent representations have been made by the staff of the necessity for proper laboratory facilities, and there can be no question that the hospital is at present far behind the times in this respect. A quarter of a century ago such a laboratory was hardly needed. To-day the growth of science has made it indispensable. Every great hospital in Europe has such a laboratory; the John Hopkins Hospital has an admirable one; the City Hospital in Boston is about to build one at considerable expense. The work which should be done in such a laboratory is now done in the hospital, or in connection with it, in an unsystematic, irregular, and desultory way; partly in a little den fitted up under the front steps, and unfit for human occupation; partly in the nurses' rooms

connected with the wards; partly at the Medical School, a mile away; partly at the pathological room in the department of out-patients, where the pathologist is now on duty for one morning in the week; and partly in a small room connected with the Allen Street house, ill adapted for the purpose, and fitted up with some temporary and imperfect facilities for the work which had to be done, and for which there was no other place.

The upper flooring of the long building on Allen Street, now chiefly used as a storeroom, could easily be fitted up, and at comparatively trifling expense, in a way which would supply all needful facilities for many years to come. The only obstacle is lack of money. The need is, nevertheless, urgent, and it remains to be seen whether the friends of the hospital allow the opportunity of doing so great a good at so little cost to pass neglected.

Nor are the general needs of the institution less than formerly.

The new buildings at Waverley, which are, of their kind, without a rival in the world, have involved the outlay of large sums, and, when completed, will have cost more than the sum received from the sale of the land at Somerville. The running expenses of so great an institution will be large, and must be met, or the hospital must close its doors. At the Massachusetts General Hospital the percentage of free patients is enormous, and that of paying patients is trivial in comparison.

To meet this the subscriptions for free beds should have increased, instead of which they have much diminished. The hospital depends on the public for support. Its immediate usefulness to the community was never greater than now, nor its prospect of future usefulness more hopeful. But it needs everything —

subscriptions for free beds, endowments, funds in any shape. Half a million dollars would be none too much to meet the necessities now in sight. For this sum it appeals to the community, to whom it has never yet appealed in vain.

W. S. BIGELOW,
H. P. WALCOTT,
Committee of Trustees.

REPORT OF THE COMMITTEE ON THE NEW McLEAN HOSPITAL.

The Committee on the New McLean Hospital begs leave to report progress made during the past year.

At the date of the last report two buildings had been built — the Women's Appleton and Belknap. These are now so nearly finished that they could be occupied, if desirable, in the spring.

During the year the following have been built, roofed in, and more or less advanced in the interior finish: the Administration Building; the Upham Memorial Building; the Men's Intermediate; the stables, power-house, and two gate lodges. The Men's Belknap is built to the first story. The boiler-house being finished and six boilers in place, steam heat is now supplied from them to three large buildings, and two more will be connected in a few days.

The water tower is finished and supply pipes laid to connect with the Watertown Water Works, and with the spring on our own land. Distributing pipes are connected with all the buildings.

The plans for two wards for excited patients are now in the hands of the architects.

From the first purchase of the estate at Waverley in 1875 to the present time all the work of the landscape engineer has been done by Mr. Joseph H. Curtis in the most thorough and satisfactory manner. The location of the buildings, the laying out of roads and drains, the grading and other engineering work has been done from careful studies made and executed by him.

The buildings, roads, and other works at Waverley

are now so far advanced that they may easily be finished before Sept. 29, 1895, when the estate at Somerville is to be vacated.

For a statement of the amount of contracts made and money paid out, the trustees are respectfully referred to the report of the engineer, Mr. Fuller.

EDMUND DWIGHT,

Secretary.

Jan. 20, 1894.

CHARLES H. DALTON, ESQ., PRESIDENT.

Dear Sir: — There has been expended on the construction account of New Hospital at Waverley to Jan. 1, 1894, $385,481.40, distributed as follows, viz: —

ADMINISTRATION BUILDING.		
Norcross Bros., Building Contract . . .	$45,000.00	
McCusker Bros., Excavating Cellar . . .	2,793.34	
Commissions	4,201.97	
		$51,995.31
UPHAM MEMORIAL BUILDING.		
McCusker Bros., Excavating Cellar . . .	$903.44	
McCusker Bros., Temporary Water Supply	402.12	
Fire Hose	195.40	
Commissions	75.00	
		1,575.96
MEN'S BELKNAP BUILDING.		
Norcross Bros., Building Contract . . .	$21,510.00	
McCusker Bros., Excavating Cellar . . .	1,759.43	
D. A. Young, Galvanized Iron	315.00	
Commissions	3,467.67	
		27,052.10
MEN'S INTERMEDIATE BUILDING.		
McNeil Bros., Building Contract	$30,000.00	
I. N. Tucker, Plumbing Contract . . .	1,000.00	
F. N. Lewis, Electric Wire Contract . .	561.36	
McCusker Bros., Excavating Cellar . . .	1,955.31	
Miscellaneous	34.68	
Commission	2,127.57	
		35,678.92
WOMEN'S BELKNAP BUILDING.		
Connery & Wentworth, Building Contract	$50,100.00	
H. Hussey & Co., Plumbing Contract . .	2,500.00	
D. A. Young, Galvanized Iron Contract .	900.00	
McCusker Bros., Excavating Cellar . . .	747.31	
Flues and Registers	272.62	
Cold Air Frames	165.50	
Commissions	3,604.27	
		58,289.70

Women's Appleton Building.		
Connery & Wentworth, Building Contract	$31,100.00	
H. Hussey & Co., Plumbing Contract	2,000.00	
D. A. Young, Galvanized Iron Contract	270.00	
McCusker Bros., Excavating Cellar	1,428.96	
Flues and Registers	107.12	
Trench Cover and Cold Air Frames	66.40	
Commissions	593.62	
		$35,566.10
Women's Intermediate Building.		
Norcross Bros., Building Contract	$32,000.00	
McCusker Bros., Excavating Cellar	1,012.38	
Register Casings	67.73	
Commissions	1,554.00	
		34,634.11
Service House.		
McCusker Bros., Excavating Cellar	$2,231.67	
Commissions	3,007.83	
		5,239.50
Stable.		
Norcross Bros., Building Contract	$15,000.00	
McCusker Bros., Excavating Cellar	1,029.69	
Commissions	801.48	
		16,831.17
Two Gate Lodges.		
Norcross Bros., Building Contract	$7,700.00	
McCusker Bros., Excavating Cellar	243.00	
Commissions	262.15	
		8,205.15
Corridors.		
Excavating Trenches	$1,394.67	
		1,394.67
Power House.		
Norcross Bros., Building Contract	$9,265.00	
Coal Tracks	1,281.39	
McCusker Bros., Excavating Cellar	1,080.39	
Castings for Drain	15.20	
Commissions	582.10	
		12,224.08

STEAM HEATING.

H. R. Worthington, Feed Pump	$525.00	
Westinghouse, Church, Kerr & Co., Economizer	3,400.00	
Edward Kendall, Boilers	4,740.00	
Women's Appleton Building	1,796.19	
Women's Belknap Building	2,310.00	
Women's Intermediate Building	1,250.39	
Men's Intermediate Building	1,813.70	
Boiler Connections	1,916.10	
Stock on Hand	1,113.03	
Tools	436.20	
Commissions	965.03	
		$20,265.64

ROADS AND WALKS.

8,988 sq. yds. Roads, McCusker Bros., Contract	$12,366.98	
7,829 sq. yds. Roads, Day Work	8,650.82	
Walks	186.91	
699 cu. yds. Walls	1,797.97	
Stock on Hand	5.95	
Engineering	1,150.43	
		24,159.06

GROUNDS.

Farm Account, Edward Cowles, Supt.	$10,594.55	
Shrubs	448.43	
Day Work, McCusker Bros.	6,033.12	
Stock on Hand	46.57	
Commissions	551.20	
		17,673.87

WATER WORKS.

6,163 lin. ft. Mains	$13,181.42	
410 lin. ft. Services	1,077.36	
Pump Connections	88.55	
Standpipe	4,541.03	
Commissions	944.42	
		19,832.78

SEWERS AND DRAINS.

Sewers	$707.94	
Rain-water Drains	1,050.81	
Sub-soil Drains	1,582.88	
Stock on Hand	121.15	
Commissions	173.14	
		3,635.92

ENGINEERING.

Labor	$6,315.25	
Stock	265.32	
Rent	581.52	
Telephone	245.92	
		$7,408.01

MAINTENANCE.

Labor Firemen	$884.03	
Coal and Wood	1,324.54	
Oil and Supplies, and Rent Boiler	432.20	
Watchman	262.50	
Stock on Hand	154.00	
Labor on Piping	580.21	
Superintendence	181.87	
		3,819.35
Total		$385,481.40

Respectfully submitted,

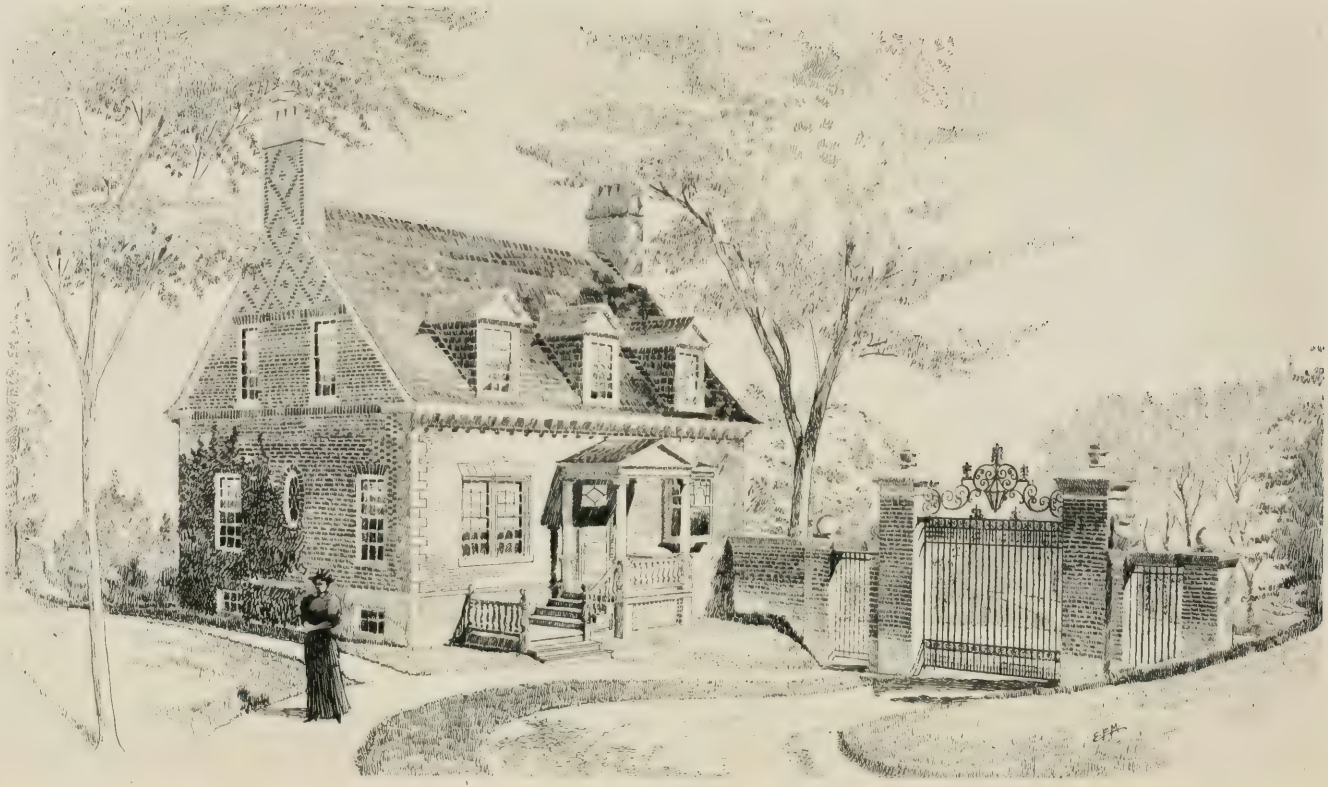
WM. B. FULLER,
Engineer.

DESCRIPTION OF THE NEW McLEAN HOSPITAL.

The work of construction has been actively continued during the past year, in accordance with the general plan published in the last report showing the localities and uses of the several buildings. The four previously described include the Administration House and three houses for patients,— the latter being the Upham Memorial for men and the Belknap and Appleton Houses for women. The last two, about one hundred and sixty feet apart, are situated to the south of the Administration House, and form with it a part of the main group of buildings. All of them are to be well separated from each other, but are to have a connecting covered way, the external appearance of which will be like that of a low garden wall.

Five more buildings of the main group are now well advanced; three of these are houses for patients, and two others are the service building and the power house, which contains the pumping, heating, and electric station. The service building really comprises two buildings, closely joined; one is the kitchen department, including the kitchen of the cooking-school, and the other contains the laboratory, entertainment hall, some service rooms, etc. The second or upper stories of these combined buildings contain rooms for the domestic service.

In addition to the five buildings above mentioned, three other detached ones are nearly completed: two gate lodges, at the main entrances to the grounds, and a commodious stable, fitted with modern conveniences for horses, with ample room for carriages. The three houses for patients, of the eight buildings



THE LODGE AT MAIN ENTRANCE, PLEASANT STREET.

above enumerated, may be included, as to their interior arrangements, in the general description, given in the previous report, of the manner of construction, the provisions for the separation of patients into small groups, the method of heating and ventilating, and the devices for convenience and effectiveness of service. The following is a more particular description of the three houses for patients.

INTERMEDIATE BUILDING FOR WOMEN.

This house is the third in the group for women; it is here designated as "Intermediate," with reference to its place and use in relation to other houses for patients. In accordance with the custom of the Trustees, a benefactor's name will be assigned to it. Messrs. Fehmer & Page are the architects of the building; it covers an area of 8,123 square feet, and stands 360 feet in the rear and to the east from the Belknap House previously described. It will be seen by the general plan of the hospital grounds that about midway between these last named buildings are to be placed the gymnasium for women and the power house. The topography is such that these intervening buildings are at a lower level, and with an adjoining wooded knoll form a screen between the two houses for patients.

This Intermediate building is beautifully situated, with well-grown trees around it, and it fronts to the south-east towards Cambridge, Somerville, and Boston, which are all in view. It has two stories of rooms for thirty patients, and an attic, or third floor, containing rooms for twenty nurses; there is a branch of the main kitchen with adjoining service rooms in the basement, which is otherwise an airy, open space, containing only the encased steam stacks of the heat-

ing apparatus. The building is connected by sections of the basement corridor, already described, with the Belknap House to the west and the Bowditch House, which is to be placed about 240 feet farther east.

The exterior of this building is of bench brick, laid with Flemish bond in white mortar. The jambs of the window openings and the exterior angles of the building are quoined with red brick, lighter in color; these bricks are used to form belt courses also, under the cornice and in the gables. The underpinning is of Milford granite. The exterior walls are built solid, with terra-cotta furring on the inside to receive the plastering. The roof is covered with dark Eastern slate. The main house is 87 feet in length; a wing at the east end extends back 58 feet, and one at the west end 83½ feet. A platform laid with North River blue stone, and having a balustrade, extends along the front, and is reached by a short flight of broad steps which lead to the central entrance; this is enriched by pilasters on either side with a cornice over them, and there are mullioned windows on each side of the main entrance. All of these ornamentations, the balustrades, etc., are of buff Amherst stone.

In the interior there is a reception-room at the central entrance which leads to the main corridor, extending right and left to intersections of passages to the wings. At these junctions of the main house with the wings, the corner rooms are sunny parlors; those on the first floor open by casement windows upon platforms which can be shaded by awnings in summer. All the rooms for patients have a pleasant outlook; the service-rooms, including dining-rooms, etc., look towards the large garden in the rear. The corridors and passages on the two floors for patients are so arranged as to sepa-



INTERMEDIATE HOUSE FOR WOMEN.



INTERMEDIATE HOUSE FOR WOMEN.

rate them in small groups, or, the communicating doors being left open, there is convenience in attendance and supervision, as at night, for example. The three stairways are so arranged as to afford ingress and egress for any one of the different groups of rooms, without disturbing the occupants of other groups. The east wing is especially arranged for seclusion and quietude, or for those who are very ill and whose friends wish to be with them; there is a special entrance to this wing.

The method of heating and ventilating has been described. There are four louvered turrets over vent chambers in the roof-space, that serve for the ventilation of different sections of the building. Each group of bath and toilet rooms has an independent shaft for steam and water pipes and for ventilation, leading directly upward to the outer air. The plumbing is exposed in these apartments, which have floors of marble mosaic laid upon arches of Guastavino tiles, and the walls are of Keene's cement made smooth with enamelled paint. The other floors throughout, except in basement, are of hard pine; those of the corridors are laid upon tiled arches. The wood finish of the principal parts of the house is of quartered oak, and the plastered walls are painted.

BELKNAP HOUSE FOR MEN.

This building has been given this designation temporarily because, in location and use, it corresponds to the Belknap House for women. It is the first of the group of houses for men, stands next to the Administration House on the north, from which it is distant 165 feet, and it fronts in the same direction to the south-west. The covered corridor leads first from the Administration House to the service building and

thence to the Belknap House here described. The architects are Messrs. Shepley, Rutan & Coolidge. It covers an area of 8,200 square feet and has rooms for twenty-nine patients on its first and second floors, and for twenty nurses on the third floor.

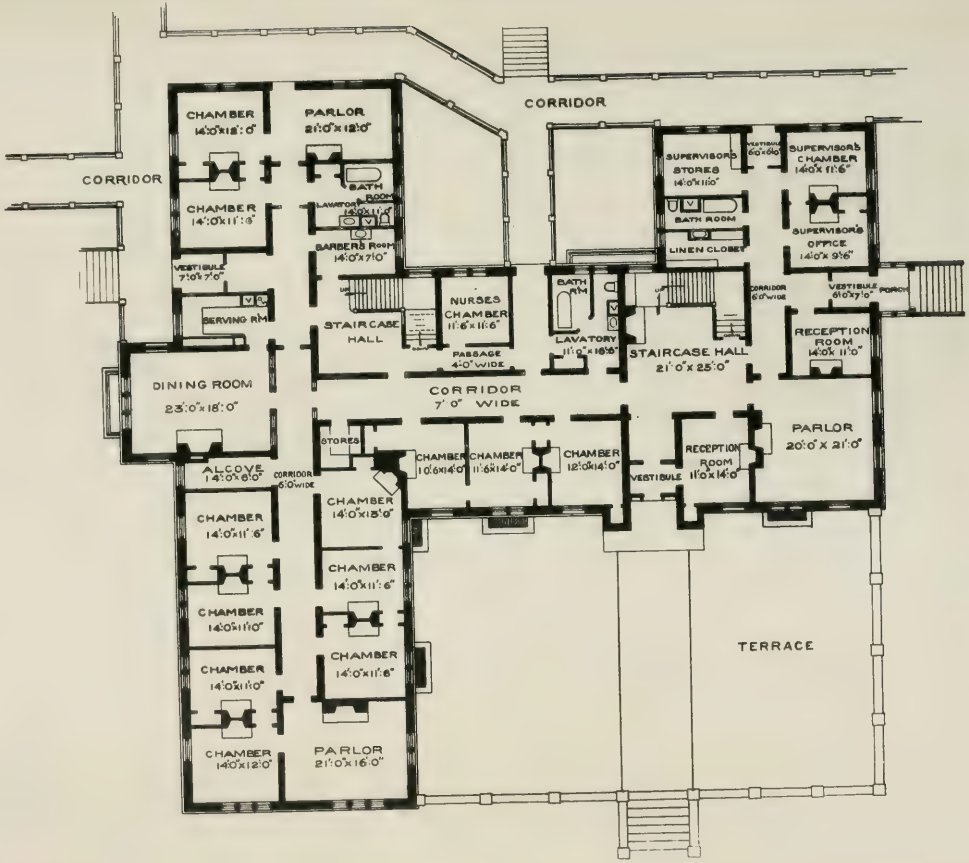
The main part of the house is 121 feet in length, and has a short wing projecting to the rear of each end. At the north end a long arm advances to the front and forms with the main house two sides of a rectangular space, the boundaries of which are completed by a stone balustrade. The enclosure is somewhat higher than the surrounding ground, thus forming a terrace which is reached by a short flight of steps from the driveway in front; a broad walk leads thence to the front entrance, which is a recessed porch.

The exterior of the house is of hard burned eastern brick, with dark-colored headers laid in Flemish bond. The trimmings are of buff Amherst stone; the walls are solid and protected from dampness by porous terra-cotta furring on the inside. The roof is covered with red slate, and there are brick dormer windows in addition to those in the gables, lighting the third story. A novel feature in the construction of the high pitched roof is the use of louvered openings in its slope, placed just below the ridge, forming outlets for four ventilating chambers, instead of employing the usual turrets as in the other buildings.

The main entrance has a tiled vestibule, and leads first to a reception-room and past it to a well-lighted hall, where there is a handsome stairway. The main corridor leads thence each way; at one end it intersects the corridor of the north wings, where there is an entrance to the dining-room; behind this there is a small hall and a side entrance to the more secluded sections of the building. At the south end the cross



BELKNAP HOUSE FOR MEN.



BELKNAP HOUSE FOR MEN.

corridor leads to the office, storerooms, etc., of the Supervisor of the department for men; there is another side entrance here, where patients and visitors may be received. The interior corridors and hall are made light by alcoves suitably placed.

The first floor of the Belknap House here described contains twelve rooms for patients, sunny parlors pleasantly situated at the corners of the building, and service-rooms, conveniently arranged for the several sections. The second floor has a like arrangement of rooms and accommodates seventeen patients. The interior corridors are built upon brick arches; and all the toilet, bath, and serving rooms have floors of slate or mosaic laid upon the same construction. The plumbing is all exposed above the floors, and the supply and waste pipes are connected with risers in the shafts which afford independent ventilation for these apartments. The heating and ventilation is like that described in the other buildings. The finish of the principal parts of this house is of quartered oak with wainscoting in the entrance hall; the plastered walls are painted in cheerful colors, and the floors generally are of hard pine. In the basement the main corridor has an asphalt floor, and that in the kitchen is of slate.

At the rear of the building there are three ways of exit to a large garden, which is well shaded by trees. The low corridor bounding the garden on the north leads back to the men's gymnasium, and beyond this to the Bowditch House. Intersecting the same corridor as it leaves the Belknap House, is another leading farther north to the Intermediate House for men. It will be seen by the plans that these connecting corridors are so arranged that the many people by whom they are used may pass by the several buildings without entering them, or without disturbing their occupants. The plan shows these corridors as uncovered

terraces on a level with the first floors of the buildings.

INTERMEDIATE HOUSE FOR MEN.

The plans for this building were made by Messrs. Shaw & Hunnewell. It stands 160 feet nearly north from the Belknap House for men, and covers an area of 9,352 square feet. It is connected with the latter by a basement corridor such as has been described, and fronts in the same direction,— to the south-west. It is a building of two stories, with accommodations for thirty patients, fifteen on each floor.

The exterior is of Eastern red brick, laid in Flemish bond, with dark bench headers. The underpinning is of granite. The quoins, sills, belt courses, balustrades, etc., are of Indiana limestone. The roof is covered with dark Monson slate, and the rooms in the third or attic story are lighted by windows in a number of gables and dormers.

A broad platform extends along the front, with a balustrade and a flight of steps at its center leading up from the driveway and to the main entrance. The main house is 116 feet in length, and in the angle made by it with a retreating wing at each end is a smaller platform; the one at the north end is reached by steps from a driveway, affording a side entrance to the building by a door entering at the end of the main corridor, where it intersects with the passage leading to the north wing. Where the corridor passes the hall at the main entrance, there is a stairway opposite, and an exit to the garden in the rear; and the corridor at the other end intersects that of the longer wing, extending backward; the communicating covered way from other buildings is joined to the basement of this wing. The inner angle of this intersection is occupied by the dining-room on each floor, octagonal in shape, with broad windows and handsome fireplaces.



INTERMEDIATE HOUSE FOR MEN.



INTERMEDIATE HOUSE FOR MEN.

In this building the sunny corner parlors and the effects of alcoves for lighting the corridors are obtained with some pleasing variations of construction; nearly all the rooms occupied by patients have the benefit of the fine outlook to the south-west, into the beautiful suburban region of the Charles River valley. The rooms for special quietude or seclusion are in the north wing, and there is a special exit from them to a piazza leading to the garden. There are also two other rear exits from the different parts of the house in the same direction, enabling the patients to go across the garden to the gymnasium, or by the covered way. The interior corridors, halls, serving, bath, and toilet rooms are of fireproof construction on tiled arches. In all rooms where water is used, the floors are of tiles or mosaic, and the plumbing is exposed. The basement has floors of asphalt in the main passages, of slate in the kitchen, pantry, etc., and of concrete elsewhere. The main floors are of hard pine, and the finishing is chiefly in hard woods, quartered oak, sycamore, etc.

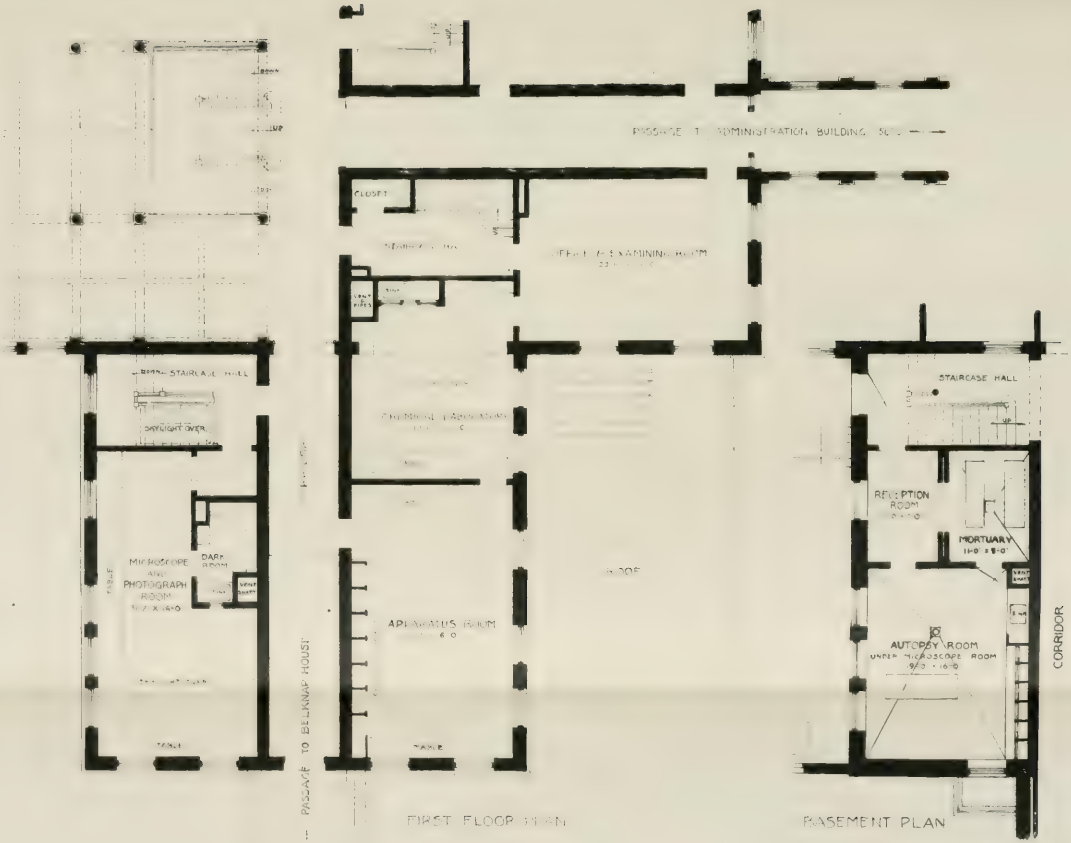
The heating and ventilating are arranged in continuation of the general plan.

LABORATORY DEPARTMENT.

The rooms for the several purposes of the laboratory are in the service building, previously described as containing also the entertainment hall, etc. At the left of the entrance to this building, on the first floor, is the office or examining-room. One reaches this, on leaving the medical offices and library in the Administration House, by passing through a covered way, a distance of fifty feet. The arrangement of the laboratory is shown in the accompanying plan. The office is a commodious room, where there may be

bookcases, electrical apparatus, appliances for anthropometry, etc. Next is the chemical room, with hood and vent-shaft, and other fittings for investigations in physiological and pathological chemistry. Adjoining this is a large room occupying the front of the north wing of the building; this room is intended for the special work in physiological psychology, and is to be equipped with apparatus for psycho-physic experiments, and the clinical application of instruments of precision in neurological diagnosis. There is another large room, for microscopy, on the opposite side of the cross corridor, also having a skylight and a dark room for photography; near the latter and at the narrow end of the larger room is a work-bench, etc., for the making of apparatus. Underneath the rooms last described are those for the mortuary and reception room and for pathological examinations. The latter is to have an asphalted floor and be properly equipped with hood, tables, etc., and to be well lighted by broad windows. The mortuary will have a tiled or mosaic floor.

The plan here printed shows the rooms above described, both on the first and basement floors. It will be seen that the entrance corridor, leading from the Administration House to the service building, passes directly by the office of the laboratory to a spacious hall, which has a tiled floor and shows a handsome stairway leading from the basement to the entrances of the entertainment hall. This hall is thus centrally placed so as to be conveniently accessible, by way of the basement corridors, from both the men's and women's departments of the hospital.


PASSAGE TO ADMINISTRATION BUILDING
CLOSET
STAIRCASE HALL
SKYLIGHT OVER
MICROSCOPE AND PHOTOGRAPH ROOM
DARK ROOM
APPARATUS ROOM
PASSAGE TO BELLEVUE HOUSE
STAIRCASE HALL
RECEPTION ROOM
MORTUARY
AUTOPSY ROOM
UNDER MICROSCOPE ROOM
CORRIDOR
FIRST FLOOR PLAN
BASEMENT PLAN

LABORATORY.

REPORT UPON THE OCCUPATION OF PATIENTS.

The following report has been prepared in answer to the request of the Trustees, "to propose some plan for the use of the income of the Hibbard Occupation Fund, for occupation of the patients of the McLean Hospital, for the consideration of the Trustees, the amount of such income to be supplemented, if needed, from the general funds."

This concerns one of the most important subjects that we have to consider. The great value of employment for those who are mentally ill is generally admitted; it is only a question of how to gain its benefits, for this is as difficult as it is important. We may consider first the conditions under which this is attempted in the different classes of these special hospitals.

In the State hospitals, and those for the pauper class, where the patients are so largely the subjects of chronic mental disease and are persons who have been accustomed to manual labor, there are those who can be required to work; and it may be productive labor, in some degree, in which sometimes a majority of the inmates can be employed. But the conditions are very different, to begin with, among patients of the private, or self-supporting class, in such hospitals as ours. The special difficulties were confessed to me in the best hospitals in England and Scotland which I visited in 1879; and in those of like character in America the occupation of patients of the private class is regarded in the same way as not admitting of the methods of the State hospitals.

In comparing such hospitals as the McLean with those of the other class, the following are among the peculiar objections to work as "occupation" to which we are subject: Our patients are not accustomed to common work in the simpler forms available in the other hospitals; they are unwilling to do it; in the weakness of body, of which the mental illness is a sign, they are all the more unable to do it, and this is especially true, as a rule, in the acute and curable forms of disease; with our comparatively small numbers, there are so few to be engaged in any regular occupation that it cannot be made the fashion of the place in which new-comers could be more willingly led to join; and any form of mechanical or manual work that may suit any given patient is a matter of what may chance to interest him, and this changes in different cases. This implies rather extensive conveniences, as to room for shop-work, and as to variety of arrangements to promote the ease and attractiveness of the work. Persons of the better educated classes, professional men and women, teachers, women who are heads of families, business men, clerks, and the like, are disinclined to do unaccustomed things that require muscular effort rather than that exercise of the intelligence which stimulates interest. What one person, among our comparatively small numbers, would be found to use might not be used again for a long time. This last is not so much a point of difficulty as that it indicates the requirement of appropriate places and appliances for a considerable variety of such purposes. Certain kinds of cases are largely debarred from most of the available forms of interesting mechanical occupation that require the use of tools,— the homicidal and the suicidal. Dr. Ray, when once, for a time, the Acting Superintendent of this hospital, said that the McLean Asylum had a larger propor-

tion of suicidal patients than any other of which he knew.

These conditions are stated as representing those recognized by the most earnest advocates of occupation in such hospitals; these are the difficulties to be met and overcome as far as is possible. I believe that those who are engaged in trying to meet these indications will agree that, for such patients as ours, we are practically limited to those occupations that are interesting because they have in them the element of recreation. Labor that is simply useful and productive, especially if so for the hospital, is more likely to be obnoxious than otherwise here. Some productive work, however, such as sewing and knitting done by the women for themselves or their families, is sometimes found available.

I have noted our limitations in regard to the common and coarser forms of employment found to be possible for the patients of the State hospitals. The character of such work speaks for itself when it is described. The kinds of work done in the hospitals most successful in this respect, at home and abroad, out of doors and in shops, is well shown in many published reports. It will be of interest to quote from Letchworth's work on "The Insane in Foreign Countries" an account of a large asylum in England,— a hospital of upwards of eight hundred patients, both acute and chronic cases, maintained by the poor rates, with a few supported by friends. Pauper patients are reckoned at about three dollars and a half, and private patients at about four dollars per week. This hospital is referred to here because it is said that it has "a thorough industrial system."

"It is considered of the utmost importance to have a variety of congenial employments. For the men there are sixteen and for the women six dif-

ferent kinds of occupation. These include the following: —

"Farm and garden work, shoemaking, tailoring, carpentering, brick-laying, painting, upholstering, matmaking, basket-making, laundry-work, and needlework. Patients are employed in the kitchen, the dining-hall, the store-rooms, the bath-rooms, and as ward cleaners, house attendants, bakers, engineers, etc. The furniture, baskets, mats, and mattresses, as well as the clothes, boots, and shoes of the inmates, are all made on the premises under the direction of skilled artisans who work with the patients."

The foregoing includes quite completely the kinds of employment that are mentioned in such hospitals everywhere, and is a good example of the methods in use. At a county asylum near Manchester I saw the wards liberally adorned with good plaster casts made by patients. Letchworth describes also the Royal Edinburgh Asylum, so often referred to for its excellence in all particulars, as having about eight hundred patients of whom five hundred, of the pauper class, are charged about three dollars per week; and most of the other three hundred private patients pay low rates, from four dollars upwards. There are shops with paid skilled workmen in charge; they include a tinsmith and plumber's shop, a smithy and a printing-office. In the latter there were three, and in the carpenter's shop four working-patients, — out of a population of eight hundred. At the time of my visit there in 1879 the employment of patients of the McLean Hospital class was like that elsewhere. At a smaller institution in London, more like the McLean, the superintendent made the statements that others did in regard to occupation. When he got some patients who could print a little periodical, for example, soon the physicians had to do the editing, etc., and

then the printers went away, and the printing stopped. One patient could make "sections" for the microscope; when he went away another could not be found to do this. These were cited as marked examples of the difficulty of gaining the effective continuous benefits of occupation for patients of the self-supporting class, in a comparatively small hospital.

In his instructive "Notes on Hospitals for the Insane Abroad," the late Dr. Nichols, of Bloomingdale Asylum, gave the results of his observations in 1889. He refers to one of the best private hospitals in Great Britain, finely situated on an extensive estate, where employment is given in farm and garden work, etc., for the pauper patients who are also received there. About one half of the six hundred inmates are of the paying class, some at high rates. A special point is made in this hospital of prescribing compulsory work for the patients. But, Dr. Nichols says, "some 'gentlemen' are induced to work in the gardens, but I could not realize that they got a great deal of exercise in that way."

The evidence is ample, from all that can be gathered upon this subject, that a greater variety of occupations contrived to suit individual cases are required to effectively accomplish the purpose intended for patients of the educated and self-supporting classes than for the laboring class; it appears also that among the former class but few cases are really reached by the devices to induce an interest in the commoner manual employments. There is sufficient testimony also of the need of skilful and ingenious persons to work with the patients in whatever they do, and to stimulate their interest. This implies for a small hospital, of less than two hundred inmates, an expensive service, or the provision of special facilities for doing a number of different things in a suitably

arranged place under the supervision of a versatile instructor whose whole business it is to maintain the interest in them.

Some of the principal things that we now do in this direction may be noted; and then suggestions for the future can be made.

Indoor occupation, or recreation: —

A dancing-party every other week, and a concert, lecture, or the like, on alternate weeks. This week's concert was given by two vocalists, a pianist, and a violinist from the Boston Symphony Orchestra. The next concert will be given by the Beethoven Quartette.

Games, cards, backgammon, etc., etc. Card-parties in the gymnasiums, wards, or in the "Oval Room" of the Administration House. While this is being written one of the convalescing ladies is giving an entertainment on her own account in the gymnasium, to which she has invited her associates from whom she has received like and other courtesies. It is a card-party, and she furnishes at her own expense the "treat," and the prizes which are pretty pieces of china decorated by her sister. There are eighteen persons in the party. These occasions are quite common; the opportunity afforded by the Gymnasium invites their occurrence. The hospital furnishes the special decoration of plants from the conservatory, and sometimes the ice-cream and coffee, etc., for the occasion. The invited members of the hospital staff, and sometimes some of the patients from the men's side of the house, supply the necessary masculine element.

The women's gymnasium, with its good piano, gives opportunities for occasional evening musical parties. The friends of some patient will come to provide the music for an informal parlor concert, which

many enjoy. This is a pleasing variation from the more formal affairs in the Entertainment Hall, where such amateur musicians do not feel inclined to appear.

Evening candy-parties are common. The hospital furnishes the sugar and molasses, and sometimes the nuts, etc. When we have the detached kitchens in each house at Waverley, we can let the women do many little things in the way of cooking, for the pleasure of it and of giving away the delicacies they make.

Billiards and bowling, — especially for the men.

Reading is encouraged by the use of a good library. There is an abundance of the current magazines, illustrated papers, and newspapers.

Both men and women assist at times, to a small extent, in the housework; there are a few persons who can be interested in this way who do not care for other employment.

The gymnastics for the nurses (two classes each week for both men and women) afford entertainment also for the patients who look on; and the latter are exercised in small classes, as largely as seems expedient. The bowling-alleys in the gymnasiums are used for this purpose, though inadequate and inconvenient.

Outdoor exercises : —

Walking, driving, visits to Boston for shopping, to the theatres and concerts, and to exhibitions of flowers and pictures, etc.

Two or three women have sometimes been interested in tending flower-beds in their garden. The men have joined in running a lawn mower; and they assist in keeping the paths clear in summer and winter.

Games of tennis, croquet, etc. The men have taken great interest in baseball, football, and other sports.

The men's gymnasium is frequented day and evening for the use of the billiard tables, the reading, smoking, and card rooms. This is a great boon, and relieves the monotony of confinement in the house, especially in unpleasant weather and the long winter months.

The women have their sewing and "fancy-work." In their gymnasium a drawing-class has been successfully carried on for some years. This year the teacher comes on two afternoons every week, and some of the patients continue the work at other times in their rooms.

The nurses, men and women, are regularly assigned to individual patients, to act as companions, and a part of their duty is to interest them in various ways.

The plans for the future, in this regard, have been much in my thoughts. Two years ago it was designed to recommend the fitting up of two rooms in the basement of the men's gymnasium, — one for a printing-office, and the other for a workshop. Then the fact that the place in mind was not quite favorable for the purpose, the prospect of soon moving to Waverley, led to the postponement of the matter, and I did not ask for the money from the Hibbard Fund. My idea was that it would be better for the income to accumulate a little longer, and be applied more effectively for permanent usefulness in our new place. For the same reason, its use has not been suggested for such things as the class in drawing, the cost of which has gone into the general account for diversions.

For the future we have evidently to continue and to improve upon the present methods. At Waverley the commodious library and reading-room in the Administration House will be an inviting place for those whose tastes incline them to it. Small com-

panies of men and women, perhaps on alternate evenings, may be imagined there as enjoying the books, pictures and maps, the quietude, the open fire in the grate, the relief from the daily association with illness in the wards.

But for the place of freedom that is their own, and enables the patients "to go somewhere," at any time, out of the inevitable conditions of a hospital, I know nothing that can supply the place of the gymnasiums, — or casinos, — or whatever they may be called, for they will be everything to us, in this regard, that is pleasing and useful.

With our former experiences at Somerville without the gymnasiums, and of the few years' use of such as we have had, we can see that the greatly improved ones that could be provided at Waverley would be the very center and substance of our means for supplying the curative benefits of occupation that are so essential.

Those who are most successful in this direction in the other kind of hospitals insist upon the prime necessity of the shops of various kinds, the appropriate places for work, and the control of the workers. It is equally plain that for us the gymnasium is our "workshop."

For the women there should be a roomy, comfortable parlor, with musical instruments, where those who enjoy these things may feel free to go and be able to avoid the sense of giving annoyance and, not rarely, much real discomfort to sensitive people who have their places in or near the house parlors common to all.

There should be the attractive studio, with its models and copies for drawing, etc., and the "workroom" with a sewing-machine, embroidery frames, and other appliances for needlework.

For the men, their workroom should be arranged for various kinds of handicraft, — for scroll-sawing, planing, box-making, and whatever may be done of artistic work in leather, brass, or iron that is now in vogue and can be taught readily when the requisite place and means are provided. There should also be a printing-office for the men.

But, beyond all this, that which constitutes the real gymnasium itself will be of the first importance for therapeutic uses. While much of the exercises will go for entertainment, there are the medical gymnastics proper, — the physical exercise, passive and active, that is often the essential complement of the rest-treatment, and the facilities for special forms of baths, following exercise, are necessary to promote the curative processes in many cases. Some such patients cannot "work"; there are others who need to do it and will not, but they would willingly join in carrying out a prescription of physical exercise which can be better applied and controlled, and made salutary with the attendance of expert instructors and nurses.

This is not to ignore or neglect the wholesome outdoor exercises, in all possible forms, in favoring weather; it will no doubt be possible, at Waverley, to interest a small party of the men in reclaiming an allotted space of the new ground as a season's work. But this will not be available during a large part of the year, and, after all, the gymnasiums are to be our essential "workshops,"— houses of daily entertainment and of cure. They should be made as attractive as possible, and great attractiveness has its most reasonable value. They should be spacious enough to give the sense of room and freedom for movement; there should be good windows for light and sun, and books, pictures, plants, and birds, — all that can be afforded to make the place bright and inviting.

All this would be in charge of the Supervisor of Gymnastics and Occupation. We have now a resident officer in this capacity for our women; and preparations are being made to put to the best use such gymnasiums as are here described for both men and women.

It is easy to see that the new hospital may have its equipment of houses, wards, and laboratory, and all that seems primarily needful for direct medical purposes. After that the extra touch of refinement of means that the gymnasiums may give us will put the bloom upon it all, and go farther than any other equal part of the investment to stamp our work with the marks of advancement and perfection. From my point of view, the gymnasiums and all that they imply are most necessary to us; and they present the most interesting feature of all our new work, for that which is pleasing, humane, and medically useful, in the immediate results that will be yielded thereby.

I am still inclined to advise that the income of the Hibbard Fund be allowed to accumulate for another year, and then to be applied in something new at Waverley.

EDWARD COWLES,

McLean Hospital, *Medical Supt.*
Jan. 18, 1894.

REPORT OF THE COMMITTEE ON THE CASE OF W. H. KING.

The Committee who were appointed to make to the Trustees a statement of the facts in the case of William H. King, with such recommendations, if any, as the circumstances of the case might suggest, respectfully report: —

That on Saturday, the 26th of August, a deputy sheriff of Suffolk County came to the asylum at Somerville, with a writ of *habeas corpus*, directing him to take the body of William Henry King, alleged to be restrained of his liberty, at the asylum, and have him before the court on Tuesday, August 29, at half past nine o'clock in the morning, ordering the Superintendent of the asylum to deliver, without delay, the body of Mr. King to the officer serving the writ, and instructing that officer to take Mr. King forthwith to the Victoria Hotel or some other suitable place in Boston, and have there the care and custody of him until the further order of the court, and with the further direction that two lawyers, a gentleman who is not a lawyer, and a lady, all of whom were named in the writ, should be permitted to accompany the officer in the service of the writ, and to visit King while in his custody. The writ also contained a summons to the Superintendent of the asylum to appear on Tuesday, August 29, and show the cause of the taking and detaining of Mr. King. Upon the service of this writ, the Superintendent of the asylum delivered to the officer Mr. King, an insane person, who had been in the asylum for twenty-seven years, who was a resident of Newport, R. I., and who was committed, according to the law in force at that day, upon the certificate of two physicians, one of whom, Dr. Ray, was at that time one of the most eminent medical experts in insanity. Mr. King is now seventy-five years old, much demented, and subject to convulsions which are increasing in frequency, if not in severity. The officer took him to the Hotel Brunswick, where he was confined by the judge's order between three and four days. On Saturday night his nurse from the hospital took care of him, but was

sent away the next morning, and his further services refused, and neither he nor Mr. King's guardian allowed any access to him. On the Sunday night of his imprisonment at this hotel, Mr. King had a convulsion, which fortunately did not prove fatal. On Tuesday he was remanded to the hospital, the judge deciding that his commitment was proper, and directing the officer to return him to the McLean Asylum, there to continue in his (the officer's) custody until the final order of the court, and permitting the persons already named and a gentleman from New York to visit him at their pleasure. On the following day, August 30, the judge passed a further order, setting out that it was conceded that King was not of sound mind, and that he was properly in the custody of the asylum, and after reciting that it now only "remained for the court to inquire whether it is best for said King to be further kept and cared for at said hospital, or in some other manner," appointing the Hon. John D. Long as guardian *ad litem*, "charged to care for his interest in this investigation, and particularly to inquire in such manner as to him shall seem best, and to report to the court at such time as he may find it convenient, whether it is best for said King to be cared for in the said hospital, or in some other manner, and if in some other manner to report to the court some scheme for his care." The guardian *ad litem*, after a careful investigation, lasting more than two months, reported to the court that Mr. King had better remain in the hospital; and on the 20th of November a final decree was entered, dismissing the original petition, and remanding Mr. King to the custody of the hospital. In the ultimate result, therefore, it may be said that no wrong has been done, either to the hospital or to the patient confined there; but the whole proceedings have been so extraordinary, and, as it seems to your committee, so inconsistent with the carefully guarded provisions of our statutes relating to lunatics, and to the powers and duties of the judicial and other officers of the Commonwealth as to such persons, that the case should receive a more extended consideration.

There are two statutes of the Commonwealth, under either of which, perhaps, proceedings may be had to procure the discharge of a person alleged to be wrongfully confined in an insane asylum; the first is the general Act relating to the

habeas corpus, constituting Chapter 185 of the Public Statutes. This Act has no special reference to lunatic asylums, and there may be a question whether it has any application to the inmates of those asylums; special provisions for examining the cases of such persons, and ordering their discharge when proper, being found in the 87th chapter of the same statutes; but in this case we are not obliged to enter upon the discussion of that question, because, as the committee understand, it is admitted that these proceedings were intended to be under the latter statute (Pub. Stats., chap. 87).

The material parts of that statute are as follows: —

"Any person may make written application to a judge of the Supreme Judicial Court, at any time and in any county, setting forth that he believes, or has reason to believe that a person therein named is confined as an insane person in a lunatic hospital, and ought not longer to be so confined, and stating the names of all persons supposed to be interested in keeping him in confinement, and requesting his discharge." (Pub. Stats., chap. 87, sect. 42.)

"The judge, upon reasonable cause being shown for a hearing, shall order notice of the time and place of hearing on said application, to be given to the superintendent in charge of the hospital and to such other persons as he deems proper, and such hearing shall be had as speedily as conveniently may be, before any judge of the Supreme Judicial Court in any county. The alleged insane person may be brought before the judge at the hearing upon a writ of *habeas corpus*, if any party so requests, and the judge deems it proper." (Ib., sect. 43.)

"If in the opinion of the judge the person so confined is not insane, or is not dangerous to himself or others, and ought not longer to be so confined, he shall be discharged from such confinement." (Ib., sect. 44.)

The framers of the original Act (Acts 1871, chap. 321, sects. 1, 3, and 4) whose provisions were incorporated into the public statutes in the sections just quoted, knew perfectly well the strict requirements of our law as to the commitment of insane persons to hospitals, and that it was practically impossible for any one not insane to be confined there; they undoubtedly drew this original Act, having fully in mind both these requirements, and the presumption arising from them

that any involuntary inmate of an insane asylum in this State has been committed according to law, and is insane; and their purpose was, while providing every facility for proper investigation, not to allow any disturbance whatsoever of such a patient until a hearing on the petition, and not even then unless some one requested it, and the judge thought his presence necessary or proper. In this case, however, the judge before whom the petition was brought apparently considered that the limited discretionary power given by the statute to bring in at the hearing the alleged lunatic authorized him, directly on the filing of the petition, without any hearing, or even inquiry, to take a patient from an asylum, separate him from all his habitual attendance and care, and confine him for days in a hotel, in the custody of a sheriff, the access of his friends and physicians denied, and the presence and intercourse of absolute strangers only permitted him. It is not the province of the hospital to determine whether these proceedings were in accordance with or a violation of the provisions of the statute, and there seems nothing to be gained by discussing this question. It is enough to say that these proceedings certainly force us to consider whether additional legislation is not advisable to prevent the possibility of similar occurrences in the future.

The petition in this case appears to have been filed by an entire stranger to the alleged lunatic; it did not state that he was not insane or could be safely discharged; it alleged only that he had been committed under an order of the Supreme Court of Rhode Island, and that he was confined in the McLean Asylum. If any inferences were to be drawn from these statements they were two,— first, that if Mr. King had been before the Supreme Court in Rhode Island, he had been adjudged a lunatic there, and was therefore presumably insane; and, secondly, that, spite of the statement in the unsworn petition that he was confined by order of that court, all the probabilities were that the petitioner was misinformed, and that he had not been admitted as a lunatic into this public asylum, which is under State supervision and has State trustees, otherwise than according to law. This was, therefore, eminently a case for following exactly the statute, giving notice to the Superintendent on filing the petition, and waiting till the hearing, before deter-

mining whether the alleged insane person should be brought in. Moreover, there is no reason to believe that the judge, before issuing the habeas in this case, had any information, or had made any inquiry as to Mr. King's condition,— or that he did not order him to a Boston hotel without knowing whether he was a curable patient to whose prospects of recovery such an exposure must be most injurious, if not fatal, — or a patient with homicidal or suicidal tendencies, and therefore dangerous to himself or others,— or subject, as was the fact, to attacks, any one of which might prove fatal, and which therefore made the constant presence and care of his physicians and attendants essential to him. So that, assuming that the proceedings in this case were in conformity with the statute, it certainly seems that, for the better protection of the inmates of our insane asylums and to save them from the risk of similar exposures, it would be advisable to amend the laws, by providing that upon any application to the court, under the sections we have quoted, notice should be given to the State Board of Lunacy and Charity, who are by law Commissioners of Lunacy, and that they should be first required to investigate the case, and report to the court their conclusions as to whether the patient was legally committed and is properly detained in the asylum, or whether he may be discharged with safety and benefit to himself and without danger to others; and that the court should thereupon either enter judgment in accordance with the report of the Commissioners, or order, if necessary, a further investigation.

There is also one point in the further proceedings in the case which should not pass unnoticed. As has already been stated, after the first hearing, it being admitted that Mr. King was insane, and that he was properly sent to the insane asylum, the judge appointed for him a guardian *ad litem*, not to investigate the question of his insanity, but to consider whether some other mode of life might not be arranged for him which would be more satisfactory than remaining at the hospital; that is to say, to report a scheme for the management of Mr. King.

A judge in this State has no other power of jurisdiction over insane persons than that expressly given him by the statute; and the statutes, as we have seen, limit his authority

to determining whether an alleged lunatic is properly in the asylum where he has been confined, whether he is insane and requires confinement, or whether he may be discharged with safety and benefit to himself. If the judge finds that he is not insane, or that there is no occasion for his confinement, he may order his discharge ; otherwise he must dismiss the petition, and leave the patient in the asylum. One of these two things he must do, and he can do nothing more. Even in the case of a citizen of Massachusetts, the court can neither advise nor enforce any scheme for the custody and maintenance of a lunatic, the law leaving that to his family and friends ; but in the present case, where the lunatic is a citizen of another State, with a guardian appointed by the court of that State, and has no property in Massachusetts, the futility of such an inquiry is all the more obvious,— our court being absolutely powerless to enforce any order for carrying out any scheme, since Mr. King's legal guardian is out of its jurisdiction, and is responsible for the care and management of his insane ward only to the court appointing him, and to no other tribunal.

At present many insane persons are sent from other States to various hospitals in Massachusetts, often because of the superior excellence of our hospitals, their good administration, and their careful and thorough supervision and inspection ; sometimes because it is thought advisable that an insane person should be separated, if possible, from familiar scenes and surroundings, and that residence in a hospital at a distance is more likely to aid and hasten his recovery than confinement in an asylum near home. Perfect quiet, and, so far as possible, absolute immunity from any excitement or disturbance, and from all sudden and violent agitations and shocks, are of the first importance to the recovery of an insane person, and also to the proper treatment of one hopelessly insane ; and it would be difficult to over-estimate the probable injury to a curable insane person, were he to be exposed to such treatment as that to which Mr. King was subjected. If what the judge ordered in this case, including the prolonged investigation, made, not to determine the patient's mental condition, but to ascertain whether a stranger could not arrange for his care and comfort better than his own family and kindred, falls within the law, it certainly much

diminishes the security of our asylums and their value as places for the cure or care of the insane; and should there arise any general apprehension that what has been done in this case is likely to happen in others, it is obvious that no one out of this State would incur the risk of sending to any asylum here any insane relative or friend for whose repose and tranquillity he cared, even though he had abandoned all hope of his recovery.

It seems to your committee, therefore, that this matter, in any aspect of it, is of sufficient importance that it should be reported, for their information and further consideration, to the State Board of Lunacy and Charity, the legally appointed protectors of the insane within this Commonwealth.

REPORT OF THE TREASURER.

In accordance with the Fifth Article of the By-Laws the report of the accounts of the Massachusetts General Hospital, made up to the last day of December, 1893, is respectfully submitted to be laid before the Corporation at its annual meeting.

Dr. FRANKLIN HAVEN, JR., *Treasurer, in account with the* MASSACHUSETTS GENERAL HOSPITAL. *Cr.*

To Balance Cash on Hand, Dec. 31, 1892	$1,061.38	By Cash paid Insurance	$6,597.53
,, Railroad Bond Sold or Matured	1,600.00	,, ,, ,, Annuitants	2,250.00
,, One Third Profits Massachusetts Hospital Life Ins. Co.	10,000.00	,, ,, ,, Expenses of Hospital	170,240.23
,, Donations and Legacies	32,875.00	,, ,, ,, Expenses of McLean Hospital	150,366.73
,, Income from Investments	156,534.43	,, ,, ,, Expenses of Convalescent Home	12,129.05
,, Board of Paying Patients at McLean Hospital	146,768.89	,, ,, ,, Investments	76,862.79
,, Board of Paying Patients at Hospital	23,861.15	,, ,, ,, Premiums	137.68
,, Board of Paying Patients at Convalescent Home	1,958.50	,, ,, ,, Library	266.82
,, Subscribers for Free Beds ($4,300 received for this purpose in 1892)	7,198.00	,, ,, ,, Dalton Fund	21.00
,, Subscribers for Free Beds for 1894 in advance	4,300.00	,, ,, ,, Ward F	27,619.00
,, Notes Receivable	434,000.00	,, ,, ,, Land and Buildings for McLean Hospital	323,771.32
,, Dr. Edward Cowles	1,565.97	,, Balance Cash on Hand, Dec. 31, 1893	73,851.84
,, Dr. J. W. Pratt	1,140.67		
,, Sale of Cross Street Property	21,250.00		
	$844,113.99		$844,113.99

The expense of carrying on the business of the Corporation for the year 1893 has been $332,736.01.

On Account of Hospital	$170,240.23	
,, ,, ,, McLean Hospital	150,366.73	
,, ,, ,, Convalescent Home	12,129.05	
		$332,736.01

These expenses have been met from

Amount Charged to Patients	$172,588.54	
Income from Various Funds	119,100.67	
Subscriptions for Free Beds for 1893	11,998.00	
Deficit Drawn from the General Fund	29,048.80	
		$332,736.01

The expenses at the hospital have exceeded the receipts $35,060.21; the expenses at the Convalescent Home have exceeded the receipts $1,491.35; and the receipts at the McLean Hospital have exceeded the expenses $7,502.76, making a net deficit of $29,048.80.

TABLE No. 1.

HOSPITAL DEPARTMENT.

Expenses and receipts for the year 1893:—

Expenses at the Hospital (see Table 4)		$170,240.23
Receipts.		
Income from Redman Fund (see Table 7)	$27,306.78	
,, ,, Free Bed Funds (see Table 7)	42,542.94	
,, ,, Funds, Income Unrestricted (see Table 7)	3,176.40	
,, ,, General Fund (see Table 7)	26,294.75	
,, ,, Free Bed Subscriptions (see Table 8)	11,998.00	
Amount Charged to Patients	23,861.15	
Deficit from General Fund	35,060.21	
		$170,240.23

TABLE No. 2.

McLEAN HOSPITAL.

Expenses and receipts for the year 1893:—

Expenses at the McLean Hospital (see Table 5)		$150,366.73
Receipts.		
Income from Funds for Beneficiaries . . .	$5,400.60	
,, ,, ,, ,, Female Beneficiaries	5,100.00	
,, ,, Amusement Fund	600.00	
Amount Charged to Patients	146,768.89	
		$157,869.49
Balance of Receipts over Expenses Credited to the General Fund		$7,502.76

TABLE No. 3.

CONVALESCENT HOME.

Expenses and receipts for the year 1893:—

Expenses at Convalescent Home (see Table 6),		$12,129.05
Receipts.		
Income from Convalescent Home Fund . .	$8,679.20	
Amount Charged to Patients	1,958.50	10,637.70
Balance of Expenses over Receipts Charged to the General Fund		$1,491.35

TABLE No. 4.

Expenses of the Hospital Department:—

For Stores	$53,712.44	
Gas and Oil	272.92	
Water and Ice	2,971.72	
Wages	38,880.32	
Medicine	7,591.89	
Furniture	12,723.44	
Surgical Instruments	6,743.03	
Stationery	1,471.61	
Wines and Liquors	2,816.09	
Salaries	4,600.00	
One Half General Expenses	1,180.91	
Fuel	14,198.02	
Contingencies	2,519.51	
* Repairs	20,558.33	
		$170,240.23

* Repairs $20,558.33 includes $11,873.19 expended on alterations and new construction of the library, addition of a third story to Gay building, two rooms to the amphitheatre, and a fire escape to the servants' building.

The expenditures at the hospital have been for account of: —

2,770 Free Patients for 9,386 Weeks	$151,185.07	
754 Other Patients for 1,183 Weeks . . .	19,055.16	
		$170,240.23
The Average Number of Patients in 1892 . .	201	
The Average Number of Patients in 1893 . .	203	
The Average Cost per Week in 1892 . . .	$14.54	
The Average Cost per Week in 1893 . . .	16.11	
The Total Expenses in 1892	151,996.87	
The Total Expenses in 1893	170,240.23	
The Amount Paid for Account of Free Patients		$151,185.07
The Amount Received for them has been: —		
From Income of Free Bed Funds . . .	42,542.94	
From Subscribers for this Object . . .	11,998.00	
		54,540.94

The deficiency has been drawn in part from the income of various funds applicable to the purpose, and the remainder from the General Fund.

TABLE No. 5.

EXPENSES OF THE McLEAN HOSPITAL DEPARTMENT.

For Stores	$46,212.71	
Laundry	9,441.27	
Fuel	9,581.31	
Stationery	580.68	
Medicines and Liquors	2,821.28	
Contingencies	3,564.54	
Furniture	7,636.58	
Repairs	8,066.00	
Diversions	1,995.59	
Belmont Improvements		
Water and Ice	2,614.44	
Lights	3,453.16	
Wages	33,342.62	
Salaries	12,090.00	
One-Half General Expenses	1,180.91	
Library	600.00	
Stables	5,308.99	
Garden	3,535.51	
Carriages	240.50	
		$152,266.09
Less Cr. Clothing, $460.03; Farm, $1,439.33		1,899.36
		$150,366.73

These expenditures have been for account of: —

Patients Paying Average Cost and More		$33,614.36
Patients Paying Less than Average Cost		116,752.37
		$150,366.73
The Average Number of Patients in 1892	175	
The Average Number of Patients in 1893	168	
The Average Cost per Week in 1892	$17.29	
The Average Cost per week in 1893	17.19	
The Total Expenses in 1892		$158,120.75
The Total Expenses in 1893		150,366.73
The Amount Expended at the Hospital for Patients who have paid less than Average Cost has been		116,752.37
The amount received has been: —		
From Patients, 6,783 Weeks' Board at less than Average Cost	$73,635.08	
Income of Funds for Beneficiaries	5,400.60	
Income of Funds for Female Beneficiaries	5,100.00	
Income of Amusement Fund	600.00	
		84,735.68
		$32,016.69

The deficiency has been more than met by patients paying more than average cost, and a balance, $7,502.76, credited to the General Fund.

TABLE No. 6.

EXPENSES OF THE CONVALESCENT HOME.

For Stores		$5,492.11
Gas and Oil		63.30
Furniture		302.46
Wages		2,921.08
Fuel		1,138.00
Ice		123.25
Repairs		751.02
Contingencies		713.57
Surgical Instruments		95.78
Medicines		73.61
Water Rates		452.37
Stationery		2.50
Wines, Spirits, etc.		
		$12,129.05
Whole number of patients admitted during the year,		
Males	212	
Females	128	
	340	
Number of Patients, Jan. 1, 1893	10	
		350

Whole Number Discharged During the Year		329
Remaining, Jan. 1, 1894, Males	5	
Females	6	11
		340

TABLE No. 7.

INCOME FROM INVESTMENTS.

From Annuities Receivable	$6,400.00
City and Town Bonds	855.00
Massachusetts Hospital Life Ins. Co. Stock	5,000.00
Railroad Bonds	22,851.50
Manufacturing Stocks	3,227.00
Bank Stocks	5,838.74
Real Estate, Productive	76,177.55
Notes Receivable	30,329.12
Railroad Stocks	2,214.67
Delaware Mutual Ins. Co.	22.00
Interest	3,618.85
	$156,534.43

Which has been distributed as follows: —

To Redman Fund		$27,306.78
Warren Prize Fund		214.80
Bowditch History Fund		120.00
Wooden Leg Fund		306.00
Clara Barton Annuity		194.46
Surgical Instrument Fund		88.50
Amusement Fund		600.00
Free Bed Funds	for Use	42,542.94
	for Joy Annuitants	500.00
Beneficiaries at Asylum Funds		5,400.60
Warren Library Fund		60.00
One Half the Lincoln Fund,— Female Beneficiaries		5,100.00
Funds with Income Unrestricted		3,176.40
General Fund		26,294.75
Convalescent Home Fund		8,679.20
Building Fund		30,000.00
Whittemore Fund		1,500.00
Urbino Fund		250.00
Treadwell Library Fund		300.00
Samuel Cabot Fund		240.00
Hibbard Fund		60.00
Dalton Fund		600.00
Bradlee Fund		3,000.00
		$156,534.43

The Income for 1891 was	$122,662.32
The Income for 1892 was	135,854.56
The Income for 1893 has been	156,534.43

TABLE No. 8.

SUBSCRIBERS FOR FREE BEDS FOR 1893.

American Bell Telephone Co.	$98	Miss E. Hooper	$100
Oliver Ames & Sons' Corporation	100	E. W. Hooper	100
C. W. Amory	200	George D. Howe	100
D. H. Andrews	100	Francis W. Hunnewell	100
Boston & Albany R. R. Co.	500	Samuel Johnson	100
Boston & Lowell R. R. Co.	300	David P. Kimball	100
Boston & Maine R. R. Co.	500	L. C. Kimball	100
N. I. Bowditch	100	Amory A. Lawrence	100
J. L. Bremer	100	Mrs. Anna C. Lodge	100
Richard Briggs	100	Thornton K. Lothrop	100
Martin Brimmer	100	Mrs. Thornton K. Lothrop	100
P. C. Brooks	100	Theodore Lyman	100
Shepherd Brooks	100	Arthur T. Lyman	100
William S. Bullard	100	Thomas Mack	100
Mrs. Laura M. Case	100	Miss Ida M. Mason	100
J. Randolph Coolidge	100	W. Powell Mason	100
J. T. Coolidge	100	Charles Merriam	100
T. Jefferson Coolidge	100	Miss M. C. Mixter	100
T. Jefferson Coolidge, Jr.	100	C. J. Morrill	100
J. B. Curwen	100	N. Y. & N. E. R. R. Co.	500
Mrs. Arthur Croft	100	C. E. Perkins	100
Charles P. Curtis	100	F. H. Peabody	100
Greely S. Curtis	100	Frank E. Peabody	100
Mrs. J. G. Cushing	100	W. D. Pickman	100
F. Gordon Dexter	100	Mrs. B. S. Rotch	100
George Dexter	300	Dr. Wm. L. Richardson	100
C. H. Dalton	100	Henry Saltonstall	100
Edmund Dwight	100	F. R. Sears	100
Samuel Eliot	100	Mrs. G. H. Shaw	100
William Endicott, Jr.	100	Henry S. Shaw	100
Employers' Liability Assurance Corporation, Limited	100	J. P. Squire & Co.	200
Mrs. Elizabeth E. Fay	100	Mrs. Francis Skinner	100
Henry H. Fay	100	Bayard Thayer	100
Joseph S. Fay	100	Nathaniel Thayer	200
Joseph S. Fay, Jr.	100	E. V. R. Thayer	100
Fitchburg R. R. Co.	500	George W. Wales	100
Mrs. Harriet Gray	100	Mrs. Charles E. Ware	100
George A. Gardner	100	Otis E. Weld	100
John L. Gardner	200	West End Street Railway Co.	500
Joseph B. Glover	100	Thos. Wigglesworth	200
W. O. Grover	100	R. C. Winthrop, Jr.	100
Miss Eliza Goodwin	100	Roger Wolcott	100
F. Haven, Jr.	100	Mrs. J. Huntington Wolcott	100
F. L. Higginson	100	Henry Woods	100
Mrs. G. G. Hammond	100	Mrs. T. L. Winthrop	100
		Charles L. Young	100
			$11,998

Total Free Bed Subscriptions	$12,698

TABLE No. 9.— LIBRARY FUNDS.

TREADWELL LIBRARY FUND.

Balance, Dec. 31, 1892: —		
Principal		$5,000.00
Income	$133.81	
1893 Income Received	300.00	
	$433.81	
Income Expended	242.43	
	$191.38	
Balance, Dec. 31, 1893: —		
Principal		$5,000.00
Income	$191.38	

WARREN LIBRARY FUND.

Balance, Dec. 31, 1892: —		
Principal		$1,000.00
Income	$842.11	
1893 Income Received	60.00	
	$902.11	
Income Expended	24.39	
	$877.72	
Balance, Dec. 31, 1893: —		
Principal		$1,000.00
Income	$877.72	

TABLE No. 10.

WOODEN LEG FUND.

Balance, Dec. 31, 1892: —		
Principal		$5,100.00
Income	$328.69	
1893 Income Received	306.00	
	$634.69	
Income Expended	275.00	
	$359.69	
Balance, Dec. 31, 1893: —		
Principal		$5,100.00
Income	$359.69	

TABLE No. 11.

BOWDITCH HISTORY FUND.

Balance, Dec. 31, 1892: —		
Principal		$2,000.00
Income	$295.75	
1893 Incomed Received	120.00	
	$415.75	
Balance, Dec. 31, 1893: —		
Principal		$2,000.00
Income	$415.75	

TABLE No. 12.

GENERAL FUND.

Balance, Dec. 31, 1892	$1,142,606.40	
Add One Third Profits of Massachusetts Hospital Life Ins. Co.	10,000.00	
Add Profits on Cross Street Property	12,057.51	
Add Legacy of Ann S. C. Prince	175.00	
Add Amount Expended on the McLean Hospital	332,172.04	
		$1,497,010.95
Less Balance of Insurance Account	$6,597.53	
Less Balance of Expenses over Income	29,048.80	
Less Premiums	137.68	
		$35,784.01
Balance, Dec. 31, 1893		$1,461,226.94

TABLE No. 13.

RESTRICTED FUNDS.

Income devoted to free beds:—

The Joy Fund, a bequest from Miss Nabby Joy	$20,000.00
Belknap Fund, a bequest from Jeremiah Belknap	10,000.00
Wm. Phillips Fund, a bequest from Wm. Phillips	5,000.00
Williams Fund, a bequest from John D. Williams, of Estate No. 17 Blackstone Street	19,600.00
Bromfield Fund, half of a bequest from John Bromfield	20,000.00
Miss Townsend Fund, a donation from the executors of the will of Miss Mary P. Townsend	11,486.50
Brimmer Fund, a bequest from Miss Mary Ann Brimmer	5,000.00
Wilder Fund, a bequest from Chas. W. Wilder	12,000.00
Sever Fund, a bequest from Miss Martha Sever	500.00
Thompson Fund, a bequest from S. B. Thompson	500.00
Tucker Fund, a bequest from Miss Margaret Tucker	3,312.37
Davis Fund, a bequest from Mrs. Eleanor Davis	900.00
Loring Fund, a bequest from Abigail Loring	5,000.00

The Nichols Fund, a bequest from B. R. Nichols	$6,000.00
Gray Fund, a donation from John C. Gray	1,000.00
Dowse Fund, a bequest from Thomas Dowse	5,000.00
Todd Fund, a bequest from Henry Todd	5,000.00
J. Phillips Fund, bequest from Jonathan Phillips	10,000.00
Greene Fund, a bequest from Benj. D. Greene	5,000.00
Percival Fund, a bequest from John Percival	950.00
Pickens Fund, a bequest from John Pickens	1,676.75
Treadwell Fund, part of a bequest from J. G. Treadwell	38,703.91
Raymond Fund, a bequest from E. A. Raymond	2,820.00
Harris Fund, part of a bequest from Charles Harris	1,000.00
Mason Fund, a bequest from Wm. P. Mason	9,400.00
J. L. Gardner Fund, a donation from J. L. Gardner	20,000.00
B. T. Reed Fund, a donation from Benj. T. Reed	1,000.00
Wm. Reed Fund, a bequest from Wm. Reed	5,233.92
McGregor Fund, half of a donation and bequest from James McGregor	7,500.00
Miss Rice Fund, a bequest from Miss Arabella Rice	5,000.00
Templeton Fund, half of a bequest from John Templeton	5,000.00
Mrs. J. H. Rogers Fund, a donation from J. H. Rogers	1,177.50
Beebe Fund, a bequest from J. M. Beebe	50,000.00
Lincoln Fund, half of a bequest from Mrs. F. W. Lincoln	85,000.00
Blanchard Fund, a bequest from Mrs. M. B. Blanchard	4,000.00
George Gardner Fund, a donation from George Gardner	1,000.00
Hemenway Fund, a donation from the executors of the will of Augustus Hemenway	20,000.00
Jessup Fund, part of a bequest from Dr. Chas. A. Jessup	1,000.00

The Tufts Fund, bequest from Quincy Tufts	$10,000.00
Read Fund, half of a bequest from James Read	1,000.00
Parker Fund, a bequest from Jno. Parker, Jr.	10,000.00
Miss Shaw Fund, a donation and bequest from Miss M. Louisa Shaw	5,500.00
Eliza Perkins Fund, a donation from Mrs. H. B. Rogers	1,000.00
Dwight Fund, a donation from Mrs. T. Bradford Dwight	1,000.00
Hunnewell Fund, a donation from H. H. Hunnewell	10,000.00
R. M. Mason Fund, a bequest from R. M. Mason	5,000.00
Hannah Lowell Cabot Fund, a donation from Dr. Samuel Cabot	1,000,00
Welles Fund, a donation from Miss Jane Welles	5,000.00
Black Fund, a bequest from Miss Marianna Black	2,000.00
Eben Wright Fund, an assignment of legacies by the children of T. Jefferson Coolidge	14,000.00
Paraclete Holmes Fund, a donation from W. S. Adams	2,000.00
Estabrooks Fund, a bequest from J. W. Estabrooks	1,000.00
Thayer Fund, a bequest from Nathaniel Thayer	30,000.00
Sawyer Fund, a bequest from M. P. Sawyer	76,902.66
Ann E. Gray Fund, a bequest from Miss Ann E. Gray	5,000.00
John Bertram Fund, a donation from Mrs. Clara Bertram Kimball	5,000.00
Hannah C. Leland Fund, a bequest from Mrs. Hannah C. Leland	15,000.00
Esther E. Beebe Fund, a bequest from Mrs. Esther E. Beebe	2,000.00
Ella F. Roehl Fund, a bequest from Ella F. Roehl	8,085.02
Donations from friends, two of $100 each and one of $50	250.00
Henry B. Rogers Fund, a bequest from Henry B. Rogers	10,000.00
John H. Eastburn Fund, a bequest from John H. Eastburn	10,000.00
Mrs. Susan F. Eastburn Fund, a bequest from Mrs. Susan F. Eastburn	1,000.00

The William B. Craft Fund, a bequest from William B. Craft	$5,000.00	
Emily W. Appleton Fund, a donation from Mrs. Emily W. Appleton	1,000.00	
Charles R. Hayden Fund, a donation from Mrs. Annie Ruth Hayden	2,000.00	
Spaulding Fund, a donation of Mahlon D. and John P. Spaulding	10,000.00	
Shattuck Fund, a donation of Mrs. George C. Shattuck	500.00	
Joel Spalding Fund, a donation of Miss Sarah R. Spalding	3,000.00	
McGregor Fund, a bequest of Mrs. James McGregor	1,000.00	
Bartlett Fund, a bequest of Sidney Bartlett	10,000.00	
Jas. B. and Mary Dow Fund, a gift of Mary Dow, under the will of James B. Dow	5,000.00	
Elisha T. Loring Fund, a bequest of Elisha T. Loring	10,000.00	
Ellen M. Gifford Fund, part of a bequest of Ellen M. Gifford	10,000.00	
Turner Sargent Fund, a bequest of Amelia Jackson Sargent	5,000.00	
Sarah E. Allen Fund, a bequest of Sarah E. Allen	5,000.00	
Wm. S. Dexter Fund, a donation of Wm. S. Dexter	1,500.00	
Wm. B. Spooner Fund, a bequest of Wm. B. Spooner	3,000.00	
Caroline Merriam Fund, a donation from Frank Merriam	1,000.00	
Stephen P. H. May Fund	1,000.00	
Elizabeth W. Gay Fund, bequest of Elizabeth W. Gay	7,700.00	
Waldmeyer Fund, bequest of Philip Waldmeyer	1,000.00	
		$720,198.63

Income devoted to beneficiaries at McLean Hospital: —

Bromfield Fund, half of a bequest from John Bromfield	$20,000.00	
Read Fund, half of a bequest from James Read	1,000.00	
Appleton Fund, $10,010 a bequest from Samuel Appleton, $20,000 being a donation from Wm. Appleton	30,010.00	
Amount carried forward	$51,010.00	$720,198.63

Amount brought forward	$51,010.00	$720,198.63
McGregor Fund, half of a donation and bequest from James McGregor . .	7,500.00	
Austin Fund, part of a bequest from Mrs. Agnes Austin	5,000.00	
Kittredge Fund, a bequest from Rufus Kittredge	5,500.00	
Templeton Fund, half of a bequest from John Templeton	5,000.00	
Proctor Fund, a bequest from Mrs. Lydia P. Proctor	1,000.00	
Higginson Fund, a bequest from George Higginson	10,000.00	
Ellen M. Gifford Fund, part of a bequest from Ellen M. Gifford	5,000.00	
		$90,010.00

Income devoted to female beneficiaries at McLean Hospital: —

Lincoln Fund, half of a bequest from Mrs. F. W. Lincoln		85,000.00
Bradlee Fund, a donation from Helen C. Bradlee		50,000.00

Income unrestricted: —

Waldo Fund, a bequest from Daniel Waldo	$40,000.00	
Blake Fund, a bequest from Stanton Blake	10,000.00	
Charles W. Faulkner Fund, bequest of C. W. Faulkner	2,940.00	
		52,940.00

Income devoted to any purpose except buildings: —

Redman Fund, a bequest from John Redman		455,113.34

Income devoted to a triennal prize: —

Warren Prize Fund, a bequest from Dr. J. M. Warren		3,579.92

Income devoted to the library:

Treadwell Library Fund, part of a bequest from J. G. Treadwell		5,000.00

Income devoted to books for patients:—		
Warren Library Fund, a donation from Dr. J. C. Warren		$1,000.00
Income and principal devoted to the publication of a history of the hospital:—		
Bowditch History Fund, a bequest from N. I. Bowditch		2,000.00
Income devoted to amusements at the McLean Hospital:—		
Amusement Fund, $5,000 a bequest from Miss Mary Louisa Shaw, $5,000 a donation from Mrs. Quincy A. Shaw and other ladies		10,000.00
Income devoted to special surgical instruments:—		
Surgical Instrument Fund, a donation from Dr. H. J. Bigelow, $1,250; donation of Mr. R. M. Moore, $100; donation of Lydia B. and O. A. Taft, $100; donation of Chas. S. Bixby, $25 . .		1,475.00
Wooden Leg Fund:—		
A bequest from N. I. Bowditch, $5,000; donation of P. K., $100		5,100.00
Convalescent Home Fund . .	$132,280.66	
Donation from George A. Gardner	5,000.00	
Donation from Miss Mary Russell	40.00	
Bequest of Elizabeth B. I. B. Dixwell	1,000.00	
Amount carried forward	$138,320.66	

Amount brought forward	$138,320.66	
Donation from Miss Helen C. Bradlee	500.00	
Bequest of Elizabeth B. Bowditch	5,000.00	
Donation from Mrs. Isaac Sweetser in memory of Dr. Edw. H. Clarke	1,000.00	
		$144,820.66

Permanent Free Beds: —

Miss Marion Hovey	$1,000.00	
Mrs. Fanny H. Morse	1,000.00	
Henry S. Hovey	1,000.00	
Edward Woodman	1,000.00	
Children of Mrs. Henry Winsor	1,000.00	
D. R. Whitney	1,000.00	
George Gardner	1,000.00	
Mrs. Nathaniel Thayer	1,000.00	
Edward F. Deland	1,000.00	
Mrs. Anna I. Phillips	1,000.00	
Miss Helen W. Faulkner	1,000.00	
Jordan, Marsh & Co.	1,000.00	
		12,000.00
Clara Barton Annuity		3,241.00
McLean Hospital Building Fund		327,837.87
Dr. J. H. Whittemore Memorial Fund		33,720.00
S. R. Urbino Fund		5,000.00
Hibbard Occupation Fund . .		1,000.00
Samuel Cabot Fund, for pathological investigation		4,000.00
Income devoted to investigation in the science of medicine: —		
John Call Dalton and Edward Barry Dalton Fund, a donation from Charles H. and Henry R. Dalton		10,000.00

TRIAL BALANCE, DEC. 31, 1893.

Dr.		*Cr.*	
Land and Buildings for McLean Hospital	$382,674.53		
Land and Buildings for Hospital	627,909.55		
Land and Buildings for Convalescent Home	50,000.00		
Annuities Receivable	160,000.00		
Insurance Stock	50,000.00		
Delaware Mutual Insurance Company's Scrip	550.00		
Manufacturing Stocks	47,800.00		
Bank Stocks	88,400.00		
Railroad Stocks	30,595.00		
Railroad Bonds	456,600.00		
City and Town Bonds	20,000.00		
Notes Receivable	344,000.00		
Real Estate, Productive	1,391,946.00		
Edward Cowles, Superintendent	30,325.62		
Balance, Cash, Dec. 31, 1893	73,851.84		
	$3,754,652.54		
Redman Fund		$455,113.34	
Warren Prize Fund		3,579.92	$599.11
Bowditch History Fund		2,000.00	415.75
Wooden Leg Fund		5,100.00	359.69
Clara Barton Annuity		3,241.00	777.84
Surgical Instrument Fund		1,475.00	1,521.78
Amusement Fund		10,000.00	
Free Bed Funds		720,198.63	
Warren Library Funds		1,000.00	877.72
McLean Hospital Beneficiaries Funds		90,010.00	
Treadwell Library Funds		5,000.00	191.38
Lincoln Fund		85,000.00	
Funds with Income Unrestricted		52,940.00	
Permanent Free Beds Fund		12,000.00	
McLean Hospital Building Fund		327,837.87	
Convalescent Fund		144,820.66	
Dr. J. H. Whittemore Memorial Fund		33,720.00	
S. R. Urbino Fund		5,000.00	
Samuel Cabot Fund		4,000.00	1,440.00
Hibbard Occupation Fund		1,000.00	320.00
General Fund		1,461,226.94	
Notes Payable		253,500.00	
Subscribers to Free Beds for 1894		4,300.00	
Dalton Fund		10,000.00	1,579.00
Bradlee Fund		50,000.00	4,050.00
John W. Pratt, Resident Physician		456.91	
		$3,742,520.27	$12,132.27
		12,132.27	
		$3,754,652.54	

Add unused income at credit of

Warren Prize Fund	$599.11	
Warren Library Fund	877.72	
Bowditch History Fund	415.75	
Surgical Instrument Fund	1,521.78	
Wooden Leg Fund	359.69	
Clara Barton Annuity	777.84	
Treadwell Library Fund	191.38	
Hibbard Occupation Fund	320.00	
Samuel Cabot Fund	1,440.00	
Dalton Fund	1,579.00	
Bradlee Fund	4,050.00	
		$12,132.27
Total of Restricted Funds		$2,035,168.69

Property on hand belonging to the corporation invested as follows: —

INVESTMENTS PRODUCING NO INCOME.

Hospital: Land and Buildings Occupied for Hospital	$627,909.55	
Convalescent Home: Land and Buildings at Belmont	50,000.00	
McLean Hospital: Land and Buildings at Belmont	382,674.53	
Superintendent's Balance	30,325.62	
		$1,090,909.70

INVESTMENTS PRODUCING INCOME.

Policies Massachusetts Hospital Life Ins. Co.	$160,000.00
500 shares Massachusetts Hospital Life Ins. Co.	50,000.00
$50,000 Eastern Railroad Co. 6 per cent. Bonds	50,000.00
$60,000 Chicago, Bur. & Quincy R. R. 7 per cent. Bonds	60,000.00
$52,000 Chicago, Bur. & Quincy R. R. 5 per cent. Bonds	52,000.00
$10,000 Chicago, Bur. & Quincy R. R. 4 per cent. Bonds	10,000.00
$10,000 Chicago, Bur. & Northern R. R. 6 per cent. Bonds	10,000.00
$210,000 Atch., Topeka & Santa Fe R. R. 4 per cent. Bonds	168,000.00
$34,600 Bur. & Mo. River in Neb. R. R. non-ex. 6 per cent. Bonds	34,600.00
$4,000 Cedar Rapids & Mo. River R. R. 7 per cent. Bonds	4,000.00
$5,000 Bur., Cedar Rapids & Northern R. R. 5 per cent. Bonds	5,000.00
$50,000 Boston & Maine R. R. 4½ per cent. Bonds	50,000.00
$3,000 Ft. Scott, So. Eastern & Mem. R. R. 7 per cent. Bonds	3,000.00
$10,000 Fremont, Elkhorn & Mo. Valley R. R. 6 per cent. Bonds	10,000.00
Amount carried forward	$666,600.00

Amount brought forward	$666,600.00
$5,000 City of Lawrence 6 per cent. Bonds	5,000.00
$2,000 City of Providence 5 per cent. Bonds	2,000.00
$5,000 City of Cleveland 5 per. cent. Bonds	5,000.00
$6,000 City of Kansas 8 per cent. Bonds	6,000.00
$2,000 Town of Brookline 4 per cent. Bonds	2,000.00
104 Shares Old Colony R. R. Co.	10,400.00
201 ,, Boston & Albany R. R. Co.	20,195.00
14 ,, Merrimack Manufacturing Co.	14,000.00
1 Share Appleton ,, ,,	1,000.00
9 Shares Amory ,, ,,	900.00
14 ,, Amoskeag ,, ,,	2,500.00
25 ,, Great Falls ,, ,,	14,000 00
1 Share Lancaster Mills	400.00
5 Shares Boston Manufacturing Co.	5,000.00
10 ,, Stark Mills ,, ,,	10,000.00
100 ,, National Union Bank	10,000.00
100 ,, Suffolk National Bank	10,000.00
70 ,, Tremont ,, ,,	7,000.00
25 ,, Old Boston ,, ,,	2,500.00
87 ,, State ,, ,,	8,700.00
100 ,, Columbian ,, ,,	10,000.00
200 ,, Merchants' ,, ,,	20,000.00
50 ,, New England National Bank	5,000.00
100 ,, Massachusetts ,,	10,000.00
50 ,, Eagle ,,	5,000.00
2 ,, National Bank of Commerce	200.00
Land and Store, 17 Blackstone Street	19,600.00
,, ,, ,, 168 Washington Street	45,000.00
,, ,, House, 61 Dartmouth Street	10,000.00
Redman Estate, Washington Street	106,000.00
Building on Floral Place	46,794.41
Land and Stores, 496 to 500 Washington Street	173,719.30
Land and Houses on Warrenton Street	26,700.00
,, ,, ,, ,, Chambers Street	23,900.00
,, ,, House ,, Poplar Place	2,500.00
Union Block, Union and Marshall Streets	66,875.00
Real Estate, Fruit Street and Vicinity	114,997.14
Land and Buildings on Washington and Kneeland Streets	350,000.00
Land and Buildings 830 Washington Street	30,000.00
Land and Buildings 273 and 275 Washington Street	125,860.15
Land and Buildings 72-74 Tremont Street	250,000.00
Notes secured by Mortgage	34,000.00
,, ,, ,, Collateral	310,000.00
Delaware Mutual Ins. Co. Scrip	550.00
Cash	73,851.84
Investments Producing Income	$2,663,742.84
Investments Producing No Income	1,090,909.70
Total, foot of Trial Balance	$3,754,652.54

F. HAVEN, JR., *Treasurer.*

TABLE OF THE EXPENSES OF THE HOSPITAL AND McLEAN HOSPITAL FOR TEN YEARS, 1884 TO 1893.

ORDINARY EXPENSES.

Year.	Cost of Paying Patients.	Cost of Free Patients.		Total Expenses of		Average Cost per Week per Patient.		Cost over Board.	
	Hospital.	Hospital.	Convalescent Home.	Hospital.	McLean.	Hospital.	McLean.	Hospital.	McLean.
1884	$21,476.00	$101,954.31	$6,873.69	$130,304.00	$139,201.67	$14.75	$16.00	$107,974.18	$2,612.02
1885	10,728.87	93,411.59	8,483.90	112,624.36	140,278.86	11.99	15.72	87,464.96	
1886	13,423.09	99,054.20	10,831.84	123,309.13	144,374.33	12.50	15.94	96,986.71	5,805.42
1887	15,337.90	105,543.61	9,856.94	130,738.45	139,497.70	12.56	16.35	105,012.17	15,049.93
1888	15,594.88	119,634.59	10,785.86	146,015.33	139,178.98	13.47	15.98	112,220.05	7,788.28
1889	15,612.47	131,216.80	10,737.64	146,829.27	146,574.09	13.64	16.51	122,005.14	10,255.79
1890	15,477.68	112,249.71	10,263.22	127,727.39	152,219.98	12.41	16.83	98,289.40	13,769.98
1891	14,348.39	121,314.88	10,185.65	135,663.27	151,419.67	12.54	16.81	110,568.08	12,511.94
1892	17,394.63	134,602.24	11,396.18	151,996.87	158,120.75	14.54	17.29	126,483.52	14,549.14
1893	19,055.16	151,185.07	12,129.05	170,240.23	150,366.73	16.11	17.19	146,379.08	3,597.84

Annual Report of the Resident Physician.

TABLE No. 1.

Number of Patients in the Hospital Jan. 1, 1894.

Paying	20
Free	177
Total	197

Admitted from January 1, 1893, to Jan. 1, 1894.

	Males.	*Females.*	*Total.*
Patients Paying Board	344	270	614
Pat ents Paying Board Part of the Time	90	52	142
Patients Entirely Free	1,652	1,116	2,768
	2,086	1,438	3,524

Medical	1,160
Surgical	2,364
Children	54

Of these, 1 paid $70; 32 paid $50; 3 paid $25; 108 paid $21; 22 paid $15; 56 paid $14; 225 paid $10.50; 123 paid $10; 127 paid $7; 37 paid $5; 3 paid $3.50; 11 paid $3; 1 paid $35; 2 paid $4; 5 paid $6.

Whole number of patients treated during the year: paying, 614; paying part of the time, 142; free, 2,768; total, 3,524.

Discharged during the Year.

	Medical.	*Surgical.*	*Male.*	*Female.*	*Total.*
Well	642	754	824	572	1,396
Much Relieved	51	99	77	73	150
Relieved	327	1,002	801	528	1,329
Not Relieved	81	52	80	53	133
Not Treated	56	136	103	89	192
Dead	137	183	219	101	320
Insane and Eloped	8	3	7	4	11
	1,302	2,229	2,111	1,420	3,531

Number of Patients remaining Dec. 31, 1893.

Males	106
Females	91
Total	197

Paying	20
Free	177
Total	197
Medical	84
Surgical	113
Total	197

Proportion of deaths to whole number of results, 9.06 per cent.

Number of patients received on account of accidents, 677.

The greatest number of paying patients at any one time was 39; in private rooms, 7; the greatest number of free patients, 200; the greatest total, 222. The least number of paying patients at any one time was 11; in private rooms, 0; the least free, 153; the least total, 175.

The proportion of ward beds occupied by free patients was 78 per cent.; by paying patients, 22 per cent.

About 4.36 per cent. of the paying patients occupied private rooms. The average number of patients was 203; males, 115; females, 88.

The average number of paying patients was 23; Americans, 19; foreigners, 4.

The average number in private rooms, 3.6.

The average number of free patients was 180; Americans, 99; foreigners, 81.

The average time of paying patients was 1.94 weeks; and that of free patients, 3.46 weeks.

TABLE No. 2.

Residences.

Boston	1,098
Massachusetts (excepting Boston)	2,140
Maine	55
New Hampshire and Vermont	120
Rhode Island and Connecticut	30
Other States	53
British Provinces	28
	3,524

TABLE No. 3.

Birthplaces.

Boston	168
Massachusetts (excepting Boston)	1,133
Maine, New Hampshire, Vermont	384
Rhode Island and Connecticut	46
New York	50
Southern and Western States	80
Total Americans	1,861
British Provinces	420
Great Britain	238
Ireland	584
Germany	74
Norway and Sweden	63
France	10
Switzerland	3
Italy	51
Other Places	220
Total Foreigners	1,663

TABLE No. 4.

Occupations.

Males.	*Paying.*	*Free.*	*Partial.*
Mechanics	54	401	29
Laborers	39	522	13
Farmers	21	80	9
Minors	18	118	5
Seamen	11	50	6
Clerks	40	80	9
Teamsters	13	56	8
Traders	17	62	2
Servants	8	39	
Clergymen	4	8	
Lawyers	12	2	
Doctors	11	12	
Merchants	33	66	
Students	19	47	
Others	35	89	7
	335	1,632	88

Total males, 2,055. Of these 29 were in private rooms.

Occupations.

Females.	*Paying.*	*Free.*	*Partial.*
Domestics	21	378	10
Minors	12	75	7
Wives	143	412	28
Widows	22	91	5

Occupations.

Females.	*Paying.*	*Free.*	*Partial*
Seamstresses	7	43	
Spinsters	12	20	1
Operators	4	24	
Teachers	5	23	
Clerks	9	25	
Nurses	4	22	
Others	17	39	10
	256	1,152	61

Total females, 1,469. Of these, 6 were in private rooms.

TABLE No. 5.

Out-Patients.

Number of New Patients	26,527
Men	12,639
Women	10,750
Children	3,138
Americans	12,332
Foreigners	14,195
Residents of Boston	13,763
Of Other Places	12,764
Medical Department for Women	4,632
Medical Department for Men and Children	4,682
Surgical Department	9,639
Ophthalmic Department	1,192
Department for Diseases of Skin	2,795
Department for Diseases of Nervous System	1,182
Department for Diseases of the Throat	2,405

Total attendance, 86,579.

Average daily attendance, 284.

Number of Applicants	21,657
Number Admitted	20,244
Number Refused	457
Number Sent to Physician's Office	956
Number Visited	973
Number Visited, Correct Statement	538
Number Visited, Incorrect Statement	435

TABLE No. 6.

CONVALESCENT HOME.

Admitted in 1891	368
Admitted in 1892	385

	Males.	*Females.*	*Total.*
Remaining Jan. 1, 1893	5	5	10
Admitted during 1893	212	128	340
Total	217	133	350
Discharged	207	122	329
Remaining Jan. 1, 1893	10	11	21

TABLE No. 7.

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS AT THE MASSACHUSETTS GENERAL HOSPITAL, FROM JAN. 1, 1882, TO DEC. 31, 1893.

Year.	Total Admitted.	Free.	Paying Board all the Time.	Paying Part of the Time.	Whole Number Treated.			Discharged Well.	Percentage on "Total Admitted."	Much Relieved, or Relieved in Part.	Not Relieved.	Not Treated, Unfit, Dismissed, etc.	Deaths.	Percentage on "Total Admitted."	Greatest Number Free at One Time.	Greatest Number Paying at one Time.	Greatest Total.	Least Total.	Average.	Accidents.	Average Time of Paying Weeks.	Average Time of Free Weeks.	Patients Remaining under Treatment Dec. 31.		Out-Patients Treated.
					Paying Board.	Paying Board Part of Time.	Free.																Paying.	Free.	
1882	2147	1736	399	12	414	12	1876	1312	61	463	59	13	177	8.13	167	35	195	143	168	348	2.84	4.41	24	141	16304
1883	2020	1492	449	79	473	79	1633	1286	63	378	61	108	181	8.93	168	49	189	143	168	432	2.75	4.80	32	128	7102*
1884	2096	1667	382	47	448	47	1815	1318	62	367	68	137	191	9.11	159	40	186	129	165	397	3.00	4.14	19	148	14824
1885	2327	1910	371	46	382	46	2044	1584	68	361	73	129	192	8.25	166	26	184	147	167	443	2.38	4.08	11	134	17016
1886	2580	2124	392	64	409	64	2283	1689	65	411	64	175	192	7.44	178	30	206	133	173	471	2.78	3.72	17	159	17925
1887	2814	2340	429	45	447	45	2523	1694	60	565	89	173	245	8.70	196	40	217	150	185	490	2.90	3.57	18	183	18081
1888	3256	2549	553	154	570	154	2731	2021	61	640	100	210	277	8.50	194	42	215	156	193	496	2.16	3.46	17	182	19472
1889	3419	2825	500	94	514	94	3016	2034	59	669	110	300	285	8.33	205	29	227	170	207	530	2.28	3.40	14	191	22939
1890	3381	2546	581	254	599	254	2719	1880	55	874	101	241	278	8.13	200	37	225	158	198	601	2.14	3.55	18	173	22545
1891	3203	2566	425	212	449	212	2748	1400	43	1182	106	225	268	8.36	204	36	233	175	208	595	2.69	3 76	24	182	25819
1892	3325	2612	549	164	566	164	2793	1673	50	1035	94	223	298	8.96	201	40	219	171	201	588	2.17	3.54	17	181	26718
1893	3524	2768	614	142	614	142	2768	1396	40	1479	133	192	320	9.06	200	39	222	175	203	677	1.94	3.46	20	177	26527

* Out-Patient Department opened only five months.

Total of patients in wards from the year 1821, 90,602.

Total of out-patients, 437,869.

TABLE No. 8.

TABLE SHOWING THE COST OF THE PRINCIPAL STORES AT THE MASSACHUSETTS GENERAL HOSPITAL.

ARTICLES.	1891.			1892.			1893.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef, Sirloin, lbs.	8,675	$1,953.10	.22½	8,703	$1,817.07	.20	7,084	$1,459.02	.206
,, Corned, ,,	8,511	666.46	.07⅞	8,633	539.60	.06¼	6,723	519.78	.077
,, Round, ,,	35,479	2,838.08	.07¼	39,017	2,883.05	.07½	47,827	3,952.08	.08
,, Rump, ,,									
,, Roasting, ,,	18,460	1,882.20	.10	20,064	1,858.61	.09	17,901	1,828.03	.10
Mutton . . . ,,	12,540	1,449.67	.11¾	12,836	1,560.51	.12	15,016	1,820.39	.12
Poultry . . . ,,	15,196	2,219.52	.14	18,055	2,890.16	.16	22,731	3,486.70	.15
Butter . . . ,,	16,315	4,474.38	.27½	17,592	4,763.48	.27	19,379	5,571.11	.28
Eggs . . . doz.	11,961	3,001.98	.25½	12,466	2,925.58	.23½	13,220	3,058.48	.23
Flour . . . bbls.	113	690.45	6.11	115	611.25	5.31	108	527.60	4.88
Bread . . . lbs.	38,705	2,128.78	1.055	42,930	2,361.16	.055	47,566	2,648.52	.056
Ice tons	282.69	565.39	2.00	334.14	668.25	2.00	277.27	651.75	2.35
Sugar . . . lbs.	28,140	1,404.34	.049⅞	29,487	1,267.18	.0429⅞	25,211	1,432.83	.056
Tea ,,	1,193	410.36	.34	1,243	373.56	.30	1,216	339.10	.278
Milk qts.	171,418	7,821.21	.045	175,218½	9,062.10	.051	176,345	9,137.30	.05
Potatoes . bush.	1,200	1,383.93	1.15	1,255	1,099.77	.87¾	1,327	2,160.03	1.327

Statement of Stock on Hand Jan. 1, 1894.

APOTHECARY SUPPLIES.		
Medicine	$1,103.42	
Wines	444.16	
Surgical Supplies	347.14	
		$1,894.72
ENGINEERS' SUPPLIES.		
Coal	$380.50	
Electrical Supplies	120.20	
		500.70
KITCHEN STORES		75.00
MATRON STORES.		
Crockery	$508.00	
Surgical Supplies	385.81	
Hardware	126.00	
General Stores and Furniture	893.97	
		1,913.78
Total		$4,384.20

The Young Men's Christian Union gave us twenty-five rides, taking out two hundred patients.

Respectfully submitted,

JOHN W. PRATT,

Resident Physician.

BOSTON, Jan. 1, 1894.

The Massachusetts General Hospital is a private, not a public institution.

Applications for admission of patients must be made at the hospital on Blossom Street, Boston, on week-days between the hours of 9 and 11 A. M. and 2 and 3 P. M.

Recent accidents admitted at all hours.

Out-patients received between 9 and 10 A. M., week-days only.

Applications from a distance must be made in writing, accompanied by a full description of the case by the attending physician, and, when a free bed is desired, by a statement of the pecuniary condition of the patient, and a reply should be awaited before sending the patient.

Contagious and chronic diseases are not admitted.

Regular charges to paying patients are as follows: in the Jackson Ward (private), $28 per week; in small room in the Townsend and Bigelow Wards, $25 per week; in the General Wards, $10 per week.

These rates, covering only expenses of board and lodging, may be increased or abated in individual cases by the resident physician.

An ambulance, accompanied by a medical officer, will be despatched to any point within the city proper for the conveyance of cases of *accident* or *urgent sudden sickness, not contagious*, to this hospital, or elsewhere, upon notice from a physician, the police, or other responsible source, subject to the approval of the undersigned.

In cases requiring gratuitous treatment, no charge will be made.

JOHN W. PRATT,
Resident Physician.

MEDICAL AND SURGICAL STATISTICS.

MEDICAL DISEASES.

FROM JAN. 1, 1893, TO DEC. 31, 1893, INCLUSIVE.

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
A.—General Diseases:—										
Scarlet fever	1		1	1						1
Measles		3	3	1				2		3
Typhoid fever	69	27	96	78	3			11	4	96
Febricula	1		1	1						1
Malaria	24	10	34	30	4					34
Diphtheria	1	1	2				2			2
Mumps	1	1	2	2						2
Influenza	14	7	21	15	2		1	1	2	21
Erysipelas	1	4	5	5						5
Septicemia	1	3	4	3				1		4
Typho-Malaria	2		2	1	1					2
Pyemia		1	1					1		1
B.—Rheumatism, acute	36	19	55	39	15	1				55
subacute	3	4	7	2	5					7
chronic	5	3	8		4	3			1	8
Chronic rheumatic arthritis	3		3		1	2				3
arthritis deformans		2	2		1				1	2
Rheumatic fever	2	3	5	2	3					5
Gonorrhœal arthritis	5		5		5					5
synovitis	5		5	3	2					5
Gout	1		1					1		1
Lithemia	1		1		1					1
Scurvy		1	1		1					1
Syphilis, secondary	2	1	3		3					3
tertiary	3	1	4		4					4
chancroid		1	1				1			1
Carried forward	181	92	273	183	55	6	4	17	8	273

MEDICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	181	92	273	183	55	6	4	17	8	273
cerebral	7	4	11	..	7	1	...	2	1	11
Tubercular meningitis	2	1	3	...		1	...	2		3
Phthisis pulmonalis	33	15	48	1	26	11	3	5	2	48
Acute miliary tuberculosis	1	2	3	...			..	3		3
Tubercular peritonitis	3	2	5		3		...	1	1	5
Uræmia	4	2	6		1			5	...	6
Purpura rheumatica	1		1	1		..				1
Anæmia	2	15	17	3	14					17
Chlorosis	..	11	11	4	5	1			1	11
Pernicious Anæmia	4	2	6		1	1	..	4		6
Leukæmia	1	1	2		1	1	...			2
Diabetes	5	6	11		5	2		3	1	11
Glycosuria	...	3	3	1	1	...		...	1	3
Diseases of the nervous system:—										
Meningitis	1	1	2		.. .	...		2		2
Cerebral tumor	1		1			1		...		1
Cerebellar tumor	2		2		1	1				2
Epilepsy	3		3		2	1				3
Hydrocephalus	1		1					1		1
Cerebral sclerosis	1	1	2	..		2			...	2
Cerebral (not specified)	1		1		...	1				1
Apoplexy	6	3	9	...	6	1	...	2		9
Sunstroke and its effects	2	...	2	2	...					2
Diseases of spinal cord and membranes:—										
Myelitis	3	..	3	...	1	1			1	3
Poliomyelitis	...	1	1						1	1
Lateral sclerosis	1		1			1		...		1
Syphilitic disease of cord	1		1		1			...		1
Spinal (not specified)		1	1			1				1
Diseases of the nerves:—										
Hemiplegia	2	2	4		2	2				4
Locomotor ataxia	4	2	6	...	2	2	1	..	1	6
Neuritis	2	3	5	1	2	2	..			5
Multiple neuritis	2		2	1	1				...	2
Carried forward	277	170	447	197	137	40	8	47	18	447

MEDICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1884.	Total.
Brought forward	277	170	447	197	137	40	8	47	18	447
Peripheral neuritis	4		4	1	2	1				4
Alcoholic neuritis	5		5	1	2		2			5
Neurasthenia	4	49	53	17	24	7	2		3	53
Traumatic neuroses		2	2	2						2
General paralysis	2		2			1			1	2
Tetany	1		1	1						1
General paresis		1	1		1					1
Functional diseases of nervous system:—										
Chorea	2	6	8	2	6					8
Lumbago	4	1	5	1	4					5
Torticollis	1		1		1					1
Neuralgia:										
cephalalgia	1		1		1					1
hemicrania	1	1	2		2					2
migraine	1		1		1					1
facial		1	1		1					1
shoulder		1	1			1				1
intercostal		1	1	1						1
ovarian		1	1			1				1
bladder		1	1			1				1
coccyx		1	1		1					1
sciatica	4	3	7	2	3	1			1	7
Hysteria	3	16	19	3	9	3	3	1		19
Hypochondriasis	9	1	10	5	2	3				10
Hystero-epilepsy		5	5	1	3				1	5
Catalepsy		1	1		1					1
Delirium tremens	2		2	1	1					2
Diseases of the intellect:—										
Insanity	1	2	3	1			2			3
Dementia	1		1	1						1
Melancholia	2		2				2			2
Diseases of the circulatory system:—										
Diseases of the heart and its membranes:—										
Pericarditis	1		1					1		1
Carried forward	326	264	590	237	202	59	19	49	24	590

MEDICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	326	264	590	237	202	59	19	49	24	590
Endocarditis	2	2	4	2				2		4
Malignant endocarditis		1	1			1				1
Valve disease:										
aortic	3		3		2			1		3
mitral	11	12	23		17	1		4	1	23
aortic and mitral	13	6	19		12	2		3	2	19
Dilatation	4		4		1			2	1	4
Myocarditis	8	2	10		9			1		10
Aneurism		1	1		1					1
Angina pectoris	2		2		2					2
Brachycardia	1		1		1					1
Cardiac (not specified)	17	7	24		17			6	1	24
Cardio-renal	4	2	6		2	2		2		6
Exophthalmic goitre		2	2			2				2
Diseases of the arteries:—										
Arterio-sclerosis		1	1				1			1
Aortitis	1		1			1				1
Aneurism	3		3		2	1				3
Diseases of the veins:—										
Phlebitis	3	1	4	1	2				1	4
Obstruction to vena cava		1	1			1				1
Thrombosis	2	2	4	1	2			1		4
Varicose	1	1	2	1	1					2
Diseases of respiratory system.										
Diseases of larynx:—										
Pseudo-diphtheria	1		1	1						1
Laryngitis, acute		1	1	1						1
tubercular	1		1						1	1
Diseases of trachea and bronchi:—										
Asthma	7	7	14	3	10			1		14
Bronchitis	10	4	14	9	3	1	1			14
Bronchiectasis	1		1		1					1
Chronic bronchitis	2	2	4	2	2					4
Carried forward	423	319	742	278	289	71	21	72	31	742

MEDICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	423	319	742	258	289	71	21	72	31	742
Diseases of the lung:—										
Acute congestion	1		1	1						1
Pneumonia	74	17	91	45	7			33	6	91
Broncho-pneumonia		1	1	1						1
Abscess	3		3					2	1	
Emphysema	2		2		2					2
Inhalation of water	1		1	1						1
Fibroid phthisis		1	1		1					1
Diseases of pleura:—										
Pleurisy	40	6	46	26	17	1			2	46
chronic	2		2		2					2
cancerous		1	1		1					1
traumatic	1		1	1						1
After pleurisy	1		1	1						1
Empyema	4	2	6	1	1			4		6
Pneumo-thorax	2		2					2		2
Pneumo-pyo-thorax	2		2		2					2
Diseases of digestive system:—										
Stomatitis, aphthous		1	1		1					1
Diseases of fauces and tonsils:—										
Tonsillitis	1	3	4	2	2					4
follicular	3	3	6	5	1					6
Peri-tonsillar abscess		3	3	3						3
Diseases of the pharynx:—										
Pharyngitis	1	1	2	2						2
Diseases of the œsophagus:—										
Stricture		1	1		1					1
Cancer	2		2			2				2
Diseases of the stomach:—										
Indigestion	1		1	1						1
Dyspepsia	1	1	2	1	1					2
Hypersecretion	2		2	2						2
Catarrh	3	2	5	5						5
Persistent vomiting	1		1				1			1
Carried forward	571	362	933	356	328	74	22	113	40	933

MEDICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1884.	Total.
Brought forward	571	362	933	356	328	74	22	113	40	933
Periodic vomiting	1		1	1						1
Habit vomiting	1		1		1					1
Alcoholic vomiting	1		1		1					1
Dilatation	6	6	12	1	9	2				12
Gastritis	9	11	20	11	7		1		1	20
Gastric atony	1		1		1					1
Hæmatemesis		1	1	1						1
Gastralgia	1		1	1						1
Ulcer	1	14	15	8	5			1	1	15
Cancer	11	6	17		5	8		3	1	17
Gastric (not specified)	1	1	2	1			1			2
Diseases of the intestines:—										
Enteralgia	2		2	2						2
Diarrhœa		5	5	4	1					5
Constipation	8	6	14	10	2	1	1			14
Gastro-enteritis	3	5	8	7	1					8
Enteritis		5	5	3	1			1		5
Duodenal Ulcer	1		1		1					1
Gastro-intestinal catarrh	2	2	4	3	1					4
Acute colitis		4	4	2	2					4
Stricture pylorus	1		1			1				1
Appendicitis	11	2	13	12	1					13
Tuberculosis	1		1					1		1
Acute obstruction		1	1	1						1
Tape-worm	2	1	3	3						3
Cancer	1		1					1		1
Stricture of rectum	1		1		1					1
Cancer of rectum	2		2		1		1			2
Abdominal (not specified)	1		1				1			1
Hæmorrhoids		1	1		1					1
Diseases of the liver:—										
Catarrhal jaundice	1		1	1						1
Hepatic colic	1	1	2	1			1			2
Cirrhosis	9	2	11		7	1	1	2		11
Carried forward	651	436	1087	429	377	87	29	122	43	1087

MEDICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894	Total.
Brought forward	651	436	1087	429	377	87	29	122	43	1087
Gall-stones	1	12	13	5	6			1	1	13
Cancer	1	1	2			1		1		2
Diseases of the peritoneum:—										
Peritonitis	1		1			1				1
tubercular	3	2	5		3			1	1	5
Ascites	1	1	2		2					2
Cancer	1		1			1				1
Diseases of the urinary organs:—										
Uric acid diathesis	1		1		1					1
Polyuria	1		1	1						1
Nephritis, acute	12	3	15	2	12			1		15
catarrhal	1		1						1	1
chronic parenchymatous	1	2	3		3					3
chronic interstitial	4	3	7		3			4		7
chronic diffuse	10	3	13		4	5		4		13
Movable kidney		1	1			1				1
Perinephritic abscess	1		1		1					1
Pyelo-nephritis	2		2					2		2
Hæmaturia	1		1		1					1
Albuminuria	1		1		1					1
Gravel and calculus	3		3		3					3
Cancer	1		1			1				1
Cardio-renal	4	2	6		2	2		2		6
Renal (not specified)	2	1	3		2			1		3
Diseases of the bladder:—										
Cystitis	1	2	3	2	1					3
Incontinence	1		1		1					1
Diseases of male genitalia:—										
Enlarged prostate	2		2		1			1		2
Epididymitis	1		1	1						1
Diseases of women.										
Diseases of the ovary:—										
Hæmatoma		1	1	1						1
Neuralgia		1	1	1						1
Carried forward	709	471	1180	442	424	99	29	140	46	1180

MEDICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	709	471	1180	442	424	99	29	140	46	1180
Diseases of the broad ligament:—										
Salpingitis		5	5	2	2				1	5
Pyosalpinx		2	2	1	1					2
Hæmatocele		1	1	1	..					1
Pelvic peritonitis		11	11	2	9					11
cellulitis		1	1	1						1
abscess		4	4	1	3					4
Diseases of the uterus:—										
Displacements:										
anteflexion		6	6	4	2					6
retroversion		2	2	1					1	2
Subinvolution		3	3	1	2					3
Endometritis		5	5		5					5
Fibroid tumor		6	6		5	1				6
Uterine colic		2	2	..	2					2
Lacerated cervix		2	2		2		..			2
Cancer		1	1				1			1
Uterus bicornate with atresia of vagina		1	1			..	1			1
Uterine (not specified)		10	10	1	6	1	2			10
Vaginitis		1	1	1						1
Functional diseases of women:—										
Metrorrhagia		4	4	3	1					4
Amenorrhœa		3	3	1	2					3
Pregnancy		3	3				2		1	3
Menopause		1	1	1						1
Diseases of pregnancy:—										
Attempted abortion (not pregnant)		1	1	1						1
Induced abortion		3	3	3						3
Miscarriage		6	6	5					1	6
Hemorrhage after miscarriage		1	1	1						1
Diseases of cellular tissue:—										
Phlegmasia alba dolens		2	2		2					2
Diseases of cutaneous system:—										
Dermatitis venenata	2		2	2						2
Carried forward	711	558	1269	475	468	101	35	140	50	1269

MEDICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	711	558	1269	475	468	101	35	140	50	1269
multiformis	1	...	1		1					1
Eczema	2	1	3	2			1			3
madidans		1	1	...	1					1
Poisons.										
Metals and their salts:—										
Lead chronic	4		4		4					4
colic	1		1		1					1
Arsenic acute	1		1	1						1
Acids:—										
Carbolic		1	1	1						1
Vegetable poisons:—										
Opium	1		1	1						1
Alcohol	13	6	19	14	4		1			19
Smoke narcosis	1		1	1						1
Hyoscyamine	1		1	1						1
Ivy	1		1		1					1
Ptomaine	2		2	2						2
Gaseous:—										
Illuminating gas	5	2	7	6				1		7
Ammonia	1		1	1						1
Diseases of the ear:—										
Otitis media	5	2	7	3	1				3	7
Menier's disease		1	1			1		..		1
Unclassified:—										
Situs transversus		1	1	1						1
Debility	16	28	44	29	12	1			2	44
Cancer abdomen		1	1		1					1
Sarcoma abdomen	2	1	3			1	1	1		3
Hodgkin's disease	3		3		2	1				3
Marasmus		1	1	1						1
Peri-arthritis	1		1		1					1
Hip-abscess	1		1				1			1
Convulsions		1	1	1						1
Acromegalia		1	1		1					1
Carried forward	773	606	1379	540	498	105	39	142	55	1379

MEDICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	773	606	1379	540	498	105	39	142	55	1379
Cold		1	1						1	1
Fatigue		1	1	1						1
Exhaustion	1	1	2	2						2
Night sweats	1		1		1					1
Inanition	1		1					1		1
Exposure	1		1	1						1
Strain	2		2	1	1					2
Lame back	2		2	2						2
Acute arthritis	1		1		1					1
Tubercular elbow		1	1		1					1
Necrosis rib		1	1			1				1
Chronic leg ulcer	1		1	1						1
Contusion, chest	1		1	1						1
Functional	1	1	2	1	1					2
Abdominal pain		1	1	1						1
Flat-foot		1	1	1						1
Fracture ribs		1	1						1	1
Coma		1	1					1		1
Myositis	1		1	1						1
Lympho-sarcoma		1	1		1					1
No disease	1		1	1						1
No diagnosis	2	1	3	1		1	1			3
Totals	789	618	1407	555	504	107	40	144	57	1407

SURGICAL DISEASES.

FROM JAN. 1, 1893, TO DEC. 31, 1893, INCLUSIVE.

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
GENERAL DISEASES.										
Erysipelas: —										
simple	3		3	1	1			1		3
phlegmonous	1		1		1					1
Rheumatism: —										
chronic	1		1			1				1
gonorrhœal	1		1		1					1
Gangrene	1		1					1		1
Senile	5	1	6	2	3			1		6
Traumatic	2		2	2						2
Diabetic		1	1					1		1
Syphilis: —										
Secondary	1	1	2		1		1			2
Diabetes mellitus	1	3	4	2	1			1		4
Alcoholismus	4	...	4	2	1	1				4
Tetanus	2	1	3					3		3
Cholæmia		1	1					1		1
Morphinism	1		1		1					1
Shock	2		2					2		2
Epilepsy, traumatic	3		3		1	1			1	3
Hystero-epilepsy	1		1		1					1
Asphyxia	1		1					1		1
Uræmia	1		1					1		1
Purpura hæmorrhagica	1		1					1		1
Sarcomatosis	1		1		1					1
Scurvy		1	1			1				1
Septicemia	1		1					1		1
Malignant tumors: —										
[See special regions.]										
Cancer	34	93	127		89	13	20	5		127
Carried forward	68	102	170	9	102	17	21	20	1	170

SURGICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	68	102	170	9	102	17	21	20	1	170
Cancer, epidermoid	22	1	23	1	19		3			23
Cancer, recurrent	2	7	9		8		1			9
Sarcoma	19	10	29		22	2	5			29
Myxo-sarcoma	2	1	3		3					3
Fibro-sarcoma		1	1		1					1
Lympho-sarcoma	1		1		1					1
Malignant adenoma		1	1		1					1
Malignant (not designated)	5	5	10		2	1	6	1		10
Non-malignant tumors:—										
[See special regions.]										
Fibroids	1	45	46	16	12	4	8	6		46
Fibro-myxoma		1	1	1						1
Fibro-cystoma		1	1	1						1
Lymph-adenoma	1		1	1						1
Cyst	1	39	40	21	10	3	1	4	1	40
Cyst-adenoma		3	3		1		1	1		3
Dentigerous cyst		1	1	1						1
Dermoid cyst		3	3	2	1					3
Ruptured cyst, ovarian		1	1		1					1
Angeioma	1	2	3	1	2					3
Lipoma	2	1	3	3						3
Lymphoma	1	1	2	1	1					2
Myxoma		2	2	1	1					2
Benign of breast		12	12	10	1		1			12
Caruncles		1	1		1					1
Specific		1	1				1			1
Not specified	2	5	7	1	1	2	2		1	7
LOCAL DISEASES.										
Digestive system:—										
Hæmorrhage from gums		1	1		1					1
Alveolar abscess	1		1		1					1
Cancer tongue	8	1	9		5	1	3			9
Tumor tongue	1		1	1						1
Ulcer tongue	3		3		3					3
Carried forward	141	249	390	71	201	30	53	32	3	390

SURGICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	141	249	390	71	201	30	53	32	3	390
Angeioma tongue	1		1	1						1
Sarcoma palate		1	1		1					1
Enlarged tonsils	2		2		2					2
Sarcoma tonsil	1		1		1					1
Abscess antrum	1		1		1					1
Œsophageal fistula		1	1					1		1
stricture	1	4	5		2	1		2		5
Coin in stomach	1		1	1						1
Ulcer stomach	1		1					1		1
Cancer stomach	2		2			2				2
Subdiaphragmatic abscess	1		1		1					1
Cancer intestines		1	1					1		1
Rupture intestines	1		1					1		1
Intussusception	1		1					1		1
Intestinal obstruction	4	4	8	3				4	1	8
Chronic intestinal obstruction	1		1					1		1
Appendicitis, acute	52	9	61	38	7		2	10	4	61
chronic	3	1	4	3	1					4
recurrent	16	2	18	16				2		18
After appendicitis	1		1					1		1
Peritonitis, localized		2	2	1		1				2
tubercular	2	9	11	1	6	1	2	1		11
Tapeworm	1		1			1				1
Hernia, umbilical	1	7	8	2	6					8
strangulated		2	2		1			1		2
inguinal	22	3	25		20		4		1	25
incarcerated	2		2	1	1					2
strangulated	8	2	10	1	6			2	1	10
femoral strangulated	1	4	5		1			4		5
in cicatrix		1	1		1					1
Ascites		1	1		1					1
Abdominal sinus		2	2		1	1				2
Cancer cæcum	1	1	2		1			1		2
Fæcal fistula	2	1	3		2	1				3
Carried forward	271	307	578	139	264	38	61	66	10	578

SURGICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	271	307	578	139	264	38	61	66	10	578
Tuberculosis rectum	1		1		1					1
Impaction fæces		1	1		1					1
Ulcer rectum		1	1		1					1
Cancer rectum	4	2	6		4	1	1			6
Stricture rectum	1	2	3		2	1				3
Prolapsus rectum	1	2	3		3					3
Incompetency of sphincter ani		2	2	1	1					2
Rectal polypus	3		3	3						3
Hæmorrhoids	24	24	48	17	29		2			48
Condylomata ani	1		1		1					1
Cancer anus	1		1		1					1
Fistula in ano	29	19	48	10	35	1			2	48
Fissure ani	5	5	10	2	8					10
Abscess ischio-rectal	6	3	9	1	8					9
Sinus ischio-rectal	1		1		1					1
Sinus perineum		1	1		1					1
Granulating wound anus		1	1		1					1
Abdominal	1		1			1				1
Constipation	1	1	2		2					2
Absorbent system:—										
Lymphangitis	1		1		1					1
Adenitis	3	1	4		4					4
suppurating	1	1	2		1			1		2
bubo	5		5		5					5
Scrofulous Glands:—										
cervical	10	17	27		25			1	1	27
axillary		1	1		1					1
Retro-pharyngeal abscess		1	1		1					1
Circulatory system:—										
Popliteal aneurism	1		1	1						1
Phlebitis and varicose veins	5	2	7	2	4		1			7
Hæmatoma from old aneurism	1		1		1					1
Respiratory system:—										
Empyema	21	3	24	1	17			6		24
Carried forward	398	397	795	177	424	42	65	74	13	795

SURGICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	398	397	795	177	424	42	65	74	13	795
Tumor of larynx	3		3		3					3
Malignant disease of larynx	1		1			1				1
Tuberculosis of larynx	2		2		1	1				2
Secretory system:—										
Abscess of parotid		1	1		1					1
Myxoma of parotid		1	1	1						1
Sarcoma of parotid		1	1		1					1
Catarrhal jaundice	1		1		1					1
Suppurative cholangitis		1	1		1					1
Cyst of liver		1	1		1					1
Cancer of liver		1	1					1		1
Biliary fistula	1	1	2		1		1			2
Biliary calculi	1	14	15	3	7		3	2		15
Cancer gall-bladder		1	1					1		1
Urinary system:—										
Pyelo-nephritis	2		2					2		2
Pyonephrosis		3	3		2			1		3
Calculus of kidney	1		1	1						1
Chronic pyelitis	1		1		1					1
Sinus of kidney	1		1				1			1
Floating kidney		4	4	1	2	1				4
Floating kidney with hydronephrosis		3	3	1	1	1				3
Rupture of kidney	1		1						1	1
Tuberculosis kidney	2	1	3		1	1			1	3
Hæmaturia	1		1		1					1
Tuberculosis of bladder	1		1		1					1
Cystitis	10	4	14	1	8		2	1	2	14
Calcareous cystitis	1	1	2		2					2
Tumor of bladder	2		2		1	1				2
Stone in bladder	25	1	26	1	19		1	4	1	26
Exstrophy of bladder	1		1			1				1
Retention of urine	9	1	10		10					10
Incontinence of urine		1	1				1			1
Carried forward	465	438	903	186	490	49	74	86	18	903

SURGICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	465	438	903	186	490	49	74	86	18	903
Caruncle of urethra		2	2	1	1					2
Prostatic hypertrophy	12		12	1	9		1	1		12
Abscess of prostate	1		1		1					1
Male urethra:—										
Gonorrhœa	2		2		2					2
Urethritis	1		1		1					1
Stricture of urethra:—										
organic	65	1	66		56		5	4	1	66
congenital	1		1	1						1
traumatic	8		8		8					8
Rupture of the urethra	3		3		3					3
Urinary fistula	2		2		2					2
Peri-urethral abscess	3		3		3					3
Gangrenous inflammation	1		1					1		1
Tumor	1		1			1				1
Calculus in the urethra	2		2	1	1					2
Skin:—										
Dermatitis hæmorrhagica	1		1		1					1
Ulcer	9	8	17	2	13			1	1	17
diabetic		1	1		1					1
Sebaceous tumor	2	1	3	3						3
Keratosis		1	1	1						1
Callosities		1	1		1					1
Tuberculosis		2	2		2					2
Keloid	3		3		2		1			3
Ingrown nail	1		1		1					1
Cellular tissue:—										
Abscess	10	9	19	4	13			2		19
Carbuncle	1		1		1					1
Local cellulitis	6	1	7		7					7
Diffuse cellulitis	21	2	23		20			1	2	23
Phlegmasia alba dolens		1	1		1					1
Blood, and blood-making glands:—										
Hæmophilia	4		4		2	1		1		4
Carried forward	625	468	1093	200	642	51	81	97	22	1093

SURGICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	625	468	1093	200	642	51	81	97	22	1093
Ductless glands:—										
Goitre	1		1					1		1
Exophthalmic goitre		1	1		1					1
Malignant disease of thyroid		2	2		1			1		2
Generative organs:—										
Cancer of penis	5		5		5					5
Phimosis	3		3	3						3
Redundant prepuce	1		1		1					1
Venereal warts	1		1		1					1
Gangrene of scrotum	1		1					1		1
Hydrocele:—										
congenital	1		1	1						1
acquired	22		22	5	17					22
Hæmatocele	2		2		1		1			2
Varicocele	19		19	2	12		4		1	19
Spermatocele	1		1	1						1
Orchitis	1		1		1					1
Epididymitis	1		1		1					1
Syphilitic disease of the testicle	1		1		1					1
Tuberculous disease of the testicle	7		7		5		1	1		7
of the epididymis	1		1		1					1
Malignant disease of the epididymis	1		1				1			1
Sarcoma of testicle	4		4		4					4
Genito-urinary tuberculosis	3		3			1	2			3
Tumors of the ovary		39	39	20	9	3	1	5	1	39
Cyst of the broad ligament		2	2	1	1					2
Ovarian		1	1		1					1
Oophoritis		2	2		2					2
Pelvic abscess		10	10	3	6					10
Salpingitis		14	14	2	9	2	1			14
purulent		18	18	3	11		1	2		18
double		4	4		2	1	2	1		4
tubercular		3	3	1	1			1		3
Pyosalpinx and gangrene of uterus		1	1					1		1
Carried forward	701	565	1266	242	736	58	95	111	24	1266

SURGICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	701	565	1266	242	736	58	95	111	24	1266
Pyosalpinx, double and fibroid of uterus		1	1	1						1
Prolapsed ovary		1	1			1				1
Endometritis		32	32		29	1	1		1	32
specific		1	1		1					1
Cicatrices about uterus		1	1		1					1
Displacements of uterus:—										
anteflexion		4	4		1	3				4
anteversion		2	2		1	1				2
retroflexion		4	4	1	1	1	1			4
retroversion		26	26		19	1	3		3	26
retroversion and flexion		1	1		1					1
lateral version		1	1				1			1
prolapse and procidentia		10	10		8	1	1			10
subinvolution		1	1			1				1
Adenoma of uterus		2	2		1		1			2
Cancer of uterus		33	33		20	8	4	1		33
Fibroid tumor of uterus		30	30	9	6	1	8	6		30
polyp of uterus		10	10	5	5					10
Fibro-cystoma of uterus		1	1	1						1
Laceration of the cervix		22	22	14	5	1	2			22
Rupture of the perineum		14	14	7	5	1	1			14
Laceration of cervix and perineum		33	33	15	11	2	4	1		33
Stenosis of cervical canal		1	1		1					1
Cystocele		2	2		1		1			2
Ulceration of vagina		1	1		1					1
Cyst of vagina		1	1	1						1
Fibroid tumor of vagina		2	2		2					2
Fistula in vagina		2	2		2					2
Vesico-vaginal fistula		1	1		1					1
Recto-vaginal fistula		3	3		2		1			3
Abscess of vulva		1	1		1					1
Cyst of labium		1	1	1						1
Horny tumor of labium		1	1	1						1
Pelvic peritonitis		2	2	1	1					2
Carried forward	701	813	1514	299	863	81	124	119	28	1514

SURGICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	701	813	1514	299	863	81	124	119	28	1514
Pelvic cellulitis		1	1				1	...		1
Hæmatoma		1	1		1					1
Dysmenorrhœa-functional		2	2		1	1	...			2
from imperfect development	...	1	1	...	1					1
Metrorrhagia	...	4	4	1	3		...		..	4
Abortion		1	1	1						1
After abortion		1	1				1			1
Pregnancy with tumor		1	1	...				1		1
tubal		13	13	11				1	1	13
double		1	1	1						1
Female breast:—										
Inflammation		2	2				2			2
Cancer of the breast		45	45		39	...	6			45
recurrent		7	7		7					7
Benign tumors of breast		11	11	9	1		1			11
Cystic tumor of breast		2	2	2						2
Hypertrophy of the breast		1	1				1			1
Nervous system:—										
Meningitis	1	...	1			..		1		1
purulent		1	1					1	...	1
Cerebral tumor	2	...	2		2					2
Locomotor ataxia		1	1		...		1			1
Traumatic hemianæsthesia		1	1		1					1
Cord and membranes:—										
Anterior poliomyelitis	...	1	1		1					1
Nerves:—										
Neuritis	1		1	1				...		1
Neuromata of stump	2	...	2		2					2
Severed nerve	2		2	.. .	2					2
Old injury	1	1	2			1	1			2
Functional diseases of nervous system:—										
Neuralgia	3	8	11	1	8		2			11
painful cicatrix	1		1		1					1
Traumatic neuroses		2	2		...	2				2
Carried forward	714	922	1636	326	933	85	140	123	29	1636

SURGICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	714	922	1636	326	933	85	140	123	29	1636
Facial spasm		1	1		1					1
Hysteria		1	1					1		1
Catalepsy		1	1			1				1
Eye:—										
Abscess of frontal sinus		1	1		1					1
Keloid of lid	1		1		1					1
Epithelioma, recurrent	1		1		1					1
Epithelioma of lid	3		3		2		1			3
Ear:—										
Abscess middle ear	3		3		2			1		3
mastoid cells		1	1					1		1
Nose:—										
Epistaxis	2		2	2						2
Epithelioma	2	3	5		4		1			5
Sarcoma		2	2		2					2
Bones:—										
Periostitis	5	2	7		7					7
Sarcoma	5	4	9		5	2	2			9
Cancer	3		3		3					3
Osteomyelitis	3		3		1	1			1	3
Necrosis	40	12	52	2	42	1	5		2	52
Caries	4	4	8		8					8
Tuberculosis	8	3	11		11					11
Exostosis	1		1	1						1
Tumor		1	1						1	1
Joints:—										
Synovitis	3		3	1	2					3
chronic	2	2	4		4					4
Arthritis	1	1	2		1		1			2
tuberculous	39	17	56	5	40	3	5	2	1	56
Periarthritis	2		2		2					2
Periarthritic abscess	1		1		1					1
Ankylosis	4	6	10		7	1	1		1	10
Flat-foot	2	1	3		3					3
Carried forward	849	985	1834	337	1084	94	156	128	35	1834

SURGICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1884.	Total.
Brought forward	849	985	1834	337	1084	94	156	128	35	1834
Genu-valgum	3		3	1	2					3
Loose cartilage	4		4	2	2					4
Spine: —										
Pott's disease	5	5	10		5	2	3			10
Lumbar abscess	2		2		2					2
Spina bifida	1		1		1					1
Spinal		1	1			1				1
Tendons: —										
Teno-synovitis		3	3		2		1			3
Contraction of tendons	4	1	5	1	3		1			5
Tuberculosis of fascia	1		1		1					1
Hammer toe	1		1		1					1
Severed tendons	4		4		4					4
Bursæ: —										
Housemaid's knee	1	1	2		2					2
Bursitis	3	1	4	3	1					4
purulent		2	2	1	1					2
INJURIES.										
General injuries: —										
Wounds	1		1	1						1
Contusions	4		4	2	1			1		4
Multiple injury	5		5					5		5
Internal injury	3		3		2			1		3
Multiple fractures	1		1					1		1
gunshot	3		3	1	2					3
Burns	8	13	21	3	9			9		21
LOCAL INJURIES.										
Head: —										
Contusion	4		4		4					4
Scalp wound	44	3	47	45				2		47
Concussion of the brain	12	1	13	7	6					13
Fracture of the vault of skull	8		8	4	1			3		8
compound	16		16	6	1			8	1	16
Fracture base of skull	9	1	10	6				4		10
Carried forward	996	1017	2013	420	1137	97	161	162	36	2013

SURGICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	996	1017	2013	420	1137	97	161	162	36	2013
Gunshot wound of head	1		1	1						1
Old fracture of skull	1		1		1					1
Wound of ear	2		2		1			1		2
Face:—										
Contusion	4		4	4						4
Wound	10	2	12	11				1		12
Burn	3		3	1	1			1		3
Fracture facial bones	2	..	2	1					1	2
nose	6		6		6					6
compound	1		1		1					1
upper jaw	1		1		1					1
lower jaw	6		6	1	3			2		6
compound	4		4		4					4
Compound fracture nose and jaw	1		1	1						1
nose, upper and lower jaws	1		1						1	1
Old fracture nose	1		1		1					1
Evulsion eye	1		1		1					1
Powder in eyes	2		2	1	1					2
face	3		3		3					3
Gunshot	2		2		2					2
Neck:—										
Contusion	1		1	1						1
After removal of glands	1		1		1					1
Sprain	1		1		1					1
Cut throat	5		5	2	2			1		5
Foreign bodies in respiratory passages	2	2	4	3	1					4
œsophagus		1	1					1		1
Dislocation of cervical vertebræ	2		2	2						2
Cicatricial contractions		1	1		1					1
Fracture odontoid	1		1					1		1
Stab wound	1		1	1						1
Chest:—										
Contusion	1		1		1					1
Fractured ribs	12	3	15	3	10			2		15
Carried forward	1075	1026	2101	453	1180	97	161	172	38	2101

SURGICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	1075	1026	2101	453	1180	97	161	172	38	2101
Fractured ribs and clavicle	1		1					1		1
dislocation	1		1		1					1
costal cartilage		1	1		1					1
Separation of costal cartilage	1		1		1					1
Internal injury	1		1					1		1
Stab wound	2		2	1	1					2
Gunshot wound	3		3		3					3
Back:—										
Contusion	11	1	12	8	4					12
Sprain	1	1	2	2						2
Stab wound	2		2		2					2
Fracture spinous process	4		4		4					4
scapula	3		3	1	2					3
spine	4		4	1	1			2		4
Abdomen:—										
Contusion	2		2	1				1		2
Wound of parietes	3		3	3						3
Gunshot of parietes	2		2	1	1					2
Crush	1		1					1		1
Penetrating wound	2		2	2						2
gunshot	2		2					2		2
stab	6		6	5	1					6
Wound of groin	2		2		2					2
Stab wound of liver	1		1	1						1
Ruptured kidneys	1		1					1		1
Pelvis:—										
Contusion	1		1	1						1
Wound	1		1		1					1
Fracture	5	1	6	2	3			1		6
Crush	1		1					1		1
Upper extremities:—										
Contusion		2	2	2						2
Sprain	1		1		1					1
Wound	13	1	14	3	11					14
Carried forward	1153	1033	2186	487	1220	97	161	183	38	2186

SURGICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1884.	Total.
Brought forward	1153	1033	2186	487	1220	97	161	183	38	2186
Gunshot wounds	2	1	3		3					3
Fracture of the clavicle	4		4		4					4
both clavicles	1		1		1					1
acromion		2	2		2					2
humerus	6	1	7	1	6					7
with dislocation of head	1		1		1					1
radius compound	3		3		3					3
ulna	3		3	1	2					3
ulna compound	3		3		3					3
radius and ulna compound	4		4	2	1			1		4
olecranon compound	1		1		1					1
elbow joint with dislocation	1		1		1					1
T fracture of elbow-joint		1	1		1					1
Dislocation of elbow	1	1	2		2					2
compound	1		1		1					1
old		1	1		1					1
Fracture forearm, dislocation of elbow	1		1		1					1
Fracture of carpus	1		1		1					1
Fracture carpus comp. with dislocation	1		1		1					1
Colles' fracture	8	1	9		9					9
double	2	1	3		3					3
old		1	1		1					1
Fracture bones of hand	1		1		1					1
compound	2		2		2					2
thumb compound	1		1		1					1
Multiple fractures		1	1		1					1
Ununited fracture radius	2		2	1					1	2
ulna	2		2		2					2
thumb		1	1	1						1
Old dislocation of finger	1		1		1					1
After amputation, forearm	2		2	2						2
fingers	1		1		1					1
Crushing wounds	36		36	11	19			6		36
Burn	1		1		1					1
Carried forward	1246	1045	2291	506	1298	97	161	190	39	2291

SURGICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	1246	1045	2291	506	1298	97	161	190	39	2291
Granulating wound	1		1		1			...		1
Painful stump	1	..	1	...	1		...			1
Lower extremities:—										
Contusion	8	...	8	6	2					8
Sprain	9	3	12		12					12
Wound	21	...	21		5	16				21
Wounds of the joints	1		1	1	...	.. .		...		1
Gunshot wounds	5		5	3	2				...	5
Stab wounds	1		1		1					1
Crushing injuries	41	2	43	9	21			13	.	43
Fracture of the femur	33	7	40	35				2	3	40
both femora	2		2		2				...	2
femur into knee joint		1	1		1					1
neck of femur, impacted	5	2	7		5	...		1	1	7
unimpacted	2	4	6		4		...	1	1	6
femur compound	3	1	4		3				1	4
ununited	1		1			1				1
patella	16	2	18		15			1	2	18
old	1		1		1		...			1
tibia	21	2	23	...	23					23
compound	4	1	5		5					5
fibula	12		12	...	10		...		2	12
compound		1	1		1	...				1
tibia and fibula	37	6	43		42	...			1	43
compound	10		10	.. .	7			3		10
Pott's fracture	19	4	23	3	20					23
compound	2		2	...	1			1		2
old	1		1	1						1
Fracture tarsus	5	1	6		6		...		...	6
compound	4	1	5		5					5
old	1		1		1					1
metatarsus, compound	5		5		5					5
both tarsi	2		2		2					2
phalanges	1		1		1					1
Carried forward	1521	1083	2604	564	1503	114	161	212	50	2604

SURGICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	1521	1083	2604	564	1503	114	161	212	50	2604
Fracture phalanges compound	1		1		1					1
both ossacalcis	1		1		1					1
both legs	2		2		2					2
compound	1		1		1					1
Ununited fracture of tibia	1		1		1					1
Dislocation of hip	5		5	3	2					5
semilunar cartilage		1	1		1					1
Fracture of semilunar cartilage	1		1		1					1
Rupture lateral ligament of knee	2		2		2					2
ligamentum patellæ	1		1		1					1
Frost-bite of feet	4		4		3				1	4
Burn	1		1		1					1
Hæmatoma	3		3	1	1			1		3
Painful stump	1		1		1					1
Compound dislocation ankle	1		1		1					1
Separation of epiphysis	2		2	1	1					2
Granulating wound	3		3		2		1			3
Compound fracture, dislocation ankle	1		1		1					1
Cicatricial contraction	1		1		1					1
Not classified: —										
Old sinuses	6	2	8		6	1	1			8
Pilo-nidal sinus		1	1	1						1
Cicatricial contractions	3		3	3						3
Tuberculous fascia of leg	2		2		2					2
Abdominal pain		4	4		4					4
Pregnancy		4	4				4			4
Purulent stump		1	1		1					1
Traumatic hemiplegia	1		1		1					1
Gangrene of leg	1		1					1		1
Mal perforans	1		1		1					1
Secondary hæmorrhage	1		1		1					1
Tubercular abscess	1		1		1					1
Ulcer stump	2		2	2						2
Menopause		1	1		1					1
Carried forward	1571	1097	2668	575	1546	115	167	214	51	2668

SURGICAL DISEASES.—*Continued.*

Diseases.	Admitted.			Discharged.						
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Not Treated.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	1571	1097	2668	575	1546	115	167	214	51	2668
Congenital malformations:—										
Hare lip and cleft palate	6	5	11	3	6		2			11
Micro cephalon		2	2		2					2
Webbed fingers and toes		1	1				1			1
Hydrocephalus		1	1			1				1
Hypertrophied toes		1	1	1						1
Genu-varum	1		1		1					1
Hypospadias		1	1				1			1
Talipes equino-varus		1	1		1					1
Talipes equinus	1		1				1			1
Talipes varus	1		1		1					1
Undescended testicle	1		1		1					1
Malformed nose		1	1		1					1
Medical cases:—										
Pleurisy		1	1				1			1
Pneumonia	1		1					1		1
Malaria		1	1				1			1
Leukæmia		1	1				1			1
Diphtheria		1	1				1			1
Dementia		1	1				1			1
No diagnosis	5	8	13		1	2	10			13
No disease		1	1				1			1
Totals	1587	1124	2711	579	1560	118	188	215	51	2711

SURGICAL OPERATIONS.

Operations.	Admitted.			Discharged.					
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Died.	In Hospital Jan. 1, 1894.	Total.
Amputations:—									
Shoulder	3		3	3					3
Shoulder with scapula	1		1	1					1
Arm	9		9	4	2		3		9
Forearm	11	2	13	10	3				13
Fingers and thumbs	12		12	2	9		1		12
Thigh	18	1	19	16	1		2		19
Both thighs	1		1	1					1
Leg	20	1	21	10	7	1	3		21
Both legs		1	1	1					1
Wrist	1		1		1				1
Through hand	1		1		1				1
Foot	2		2	1	1				2
Toes	16	1	17	6	10	1			17
Breast		39	39	2	37				39
Penis	4		4		4				4
Aspirations:—									
Hydrocephalic head		1	1			1			1
Pott's disease of spine	1	1	2		2				2
Spina bifida	1		1	1					1
Gall bladder		1	1				1		1
Intestines		1	1				1		1
Ascites		2	2		1	1			2
Ovarian tumor		1	1		1				1
Abdominal	1	1	2		1	1			2
Bladder	3		3		3				3
Pelvic abscess		1	1			1			1
Knee joint	1	1	2		2				2
Aspiration and injection of knee joint	4		4		4				4
Circumcision	4		4	4					4
Adhesions broken up:—									
Shoulder	1	1	2		2				2
Carried forward	115	56	171	62	92	6	11		171

SURGICAL OPERATIONS.—*Continued.*

Operations.	Admitted.			Discharged.					
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	115	56	171	62	92	6	11		171
Elbow		1	1		1				1
Wrist		1	1		1				1
Finger	1		1		1				1
Hip		1	1		1				1
Knee	5	1	6		6				6
Ankle	1		1		1				1
Flat foot		1	1		1				1
Ingrown nail removed	1		1		1				1
Curetted:—									
Uterus		49	49		47	2			49
Tunica vaginalis	1		1		1				1
Purulent stump		1	1		1				1
Venereal warts—penis	1		1		1				1
Sinus	2	4	6		6				6
Cervical glands	1	4	5		5				5
Anus and rectum		2	2		2				2
Bladder	1		1		1				1
Gunshot wounds	1		1		1				1
Pilo-nidal sinus		1	1	1					1
Hæmatoma	1		1	1					1
Thecitis	1	1	2		2				2
Vagina		1	1		1				1
Lupus		1	1		1				1
Ulcer leg	1		1		1				1
Tuberculous pelvis	1		1		1				1
Tuberculous shoulder	1		1		1				1
Excisions:—									
Thyroid gland		4	4		2		2		4
Varix	2		2	1	1				2
Tubercular glands	9	14	23		21		1	1	23
Ulcerated surface	3		3	1	1	1			3
Painful cicatrix	1		1		1				1
Callosities		1	1		1				1
Lupus		1	1		1				1
Carried forward	150	145	295	66	205	9	14	1	295

SURGICAL OPERATIONS.—*Continued.*

Operations.	Admitted.			Discharged.					
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward.	150	145	295	66	205	9	14	1	295
Neuroma of stump	2		2		2				2
Testicle	12		12		11		1		12
Carpus	1		1		1				1
Acromio-clavicular		1	1		1				1
Elbow	3	2	5	3	2				5
Finger	1		1	1					1
Hip	1		1				1		1
Knee	2		2	1				1	2
Examined under ether	4	30	34		12	22			34
Foreign bodies removed:—									
Bullet	2		2		2				2
Wires—knee		1	1	1					1
Wires—hernial sac	1		1	1					1
Searched	1		1		1				1
Compound fractures:—									
Skull	9		9	3	1		4	1	9
Facial bones	1		1					1	1
Nasals	1		1	1					1
Jaw	1		1		1				1
Olecranon	1		1		1				1
Ulna	3		3		3				3
Radius	2		2		2				2
Ulna and radius	4		4		2	1	1		4
Wrist	1		1		1				1
Metacarpals	2		2		2				2
Femur	3	1	4		3			1	4
Tibia	5		5		5				5
Fibula	1	1	2		2				2
Both bones of leg	7		7		4		3		7
Tarsus	3	1	4		4				4
Pott's	2		2		1		1		2
Fractures wired	6		6		5			1	6
Compound fractures wired	3		3		3				3
Ununited fractures wired	1	1	2	1		1			2
Carried forward.	236	183	419	78	277	33	25	6	419

SURGICAL OPERATIONS.—*Continued.*

Operations.	Admitted.			Discharged.					
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	236	183	419	78	277	33	25	6	419
Hernia:—									
Umbilical	1	5	6	2	4				6
strangulated		2	2		1		1	...	2
Inguinal	13	3	16		16				16
incarcerated	1		1		1				1
strangulated	9	2	11	1	7		2	1	11
Femoral strangulated	1	4	5		1		4		5
In operation cicatrix		1	1		1				1
Incisions:—									
Hæmatoma thigh	1		1	...	1		...		1
Exploratory knee	1		1		1	...			1
forearm	1		1		1				1
Adenitis	1	1	2		2				2
Tuberculous fascia	1		1		1				1
Sinus		1	1			1			1
Cyst of breast	...	1	1	1					1
Hæmatoma	2	...	2		1		1		2
Concealed hæmorrhage thigh	1		1	1					1
To free nerve	1		1		1				1
Cicatricial contraction	2		2		2			.. .	2
Abscess:—									
Mastoid	1		1				1		1
Parotid		1	1		1				1
Frontal sinus		1	1		1				1
Antrum	1		1		1		. ..		1
Cervical	3	...	3		1		2	...	3
Retro-pharyngeal		1	1		1			...	1
Alveolar	1		1	...	1				1
Shoulder	2		2		2				2
Chest wall	2		2		2		. .		2
Axillary		3	3	1	2				3
Wrist	1		1		1				1
Hand	10	1	11	...	11				11
Abdominal wall	2	1	3	2	1			. ..	3
Carried forward	295	211	506	86	343	34	36	7	506

SURGICAL OPERATIONS.—*Continued.*

Operations.	Admitted.			Discharged.					
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	295	211	506	86	343	34	36	7	506
Sub-diaphragmatic	1		1		1			..	1
Lumbar	2	2	4		4				4
Ischio-rectal	5	2	7	1	6		..		7
Kidney		1	1		1				1
Groin	1		1		1				1
Pelvic	1	1	2		2			...	2
Perineal	1		1		1				1
Penis	1		1		1				1
Buttock		1	1				1		1
Hip	1		1	...		1	..	..	1
Thigh	3		3	1	1		1		3
Popliteal space	1		1		1	..			1
Knee	4	1	5	1	2		2		5
Bubo	4		4		4		..		4
Bursitis	4	3	7	5	2	...			7
Cellulitis	11	1	12	1	10		1		12
Gangrene	1		1		1				1
Erysipelas	1		1		1				1
Œsophagotomy		1	1	...			1		1
Œsophageal bougies	1	1	2		1		1		2
Laparotomies:—									
Exploratory	10	11	21	5	4	9	3		21
Artificial anus	3	2	5		2		3		5
Ovarian tumor		37	37	20	11	1	5	...	37
Salpingitis		21	21	6	12	...	3		21
tubercular		3	3		2		1		3
Pyosalpinx and gangrene of uterus		1	1				1		1
dermoid		1	1	1					1
Ruptured ovarian cyst	...	1	1		1				1
Tubal pregnancy		12	12	12		...			12
Tubercular peritonitis	1	8	9	1	6	1	1		9
Peritonitis		2	2	1	1				2
Gastrostomy		1	1				1		1
Intussusception	1		1				1		1
Carried forward	353	325	678	141	422	46	62	7	678

SURGICAL OPERATIONS.—*Continued.*

Operations.	Admitted.			Discharged.					
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	353	325	678	141	422	46	62	7	678
Intestinal suture	5	1	6	1	2		3		6
Intestinal obstruction	2	2	4				3	1	4
Intestinal anastomosis	1		1		1				1
Appendicitis	59	12	71	48	8		13	2	71
Uterine fibroid		2	2				2		2
Abdominal hysterectomy		24	24	15	3		5	1	24
Porro's operation		1	1				1		1
Vaginal hysterectomy		5	5	2	3				5
Ventral fixation of uterus		2	2		2				2
Supra-pubic cystotomy	2	1	3		2		1		3
To bring down undescended testicle	1		1	1					1
Necrosis and caries:—									
Skull	1	2	3		3				3
Frontal	1		1		1				1
Ulna and radius	1		1		1				1
Ribs	3	2	5		5				5
Hip disease	3		3		3				3
Sternum		1	1		1				1
Metatarsus	2	1	3		3				3
Knee	1		1		1				1
Jaw—lower	5	1	6		5			1	6
upper	1	1	2		2				2
Ankle	1		1		1				1
Phalanges	3	1	4		4				4
Chondro-sternal	1		1		1				1
Femur	9	4	13		11			2	13
Tarsus	1	1	2		2				2
Fibula	1		1		1				1
Tibia	9	3	12		10	1		1	12
Antrum	1		1		1				1
Humerus	2		2		2				2
Pubes	1		1		1				1
Acromio-clavicular		2	2		2				2
Sacro-iliac	1		1		1				1
Carried forward	471	394	865	208	505	47	90	15	865

SURGICAL OPERATIONS.—*Continued.*

Operations.	Admitted.			Discharged.					
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Died.	In Hospital Jan. 1, 1884.	Total.
Brought forward	471	394	865	208	505	47	90	15	865
Tubercular elbow	1		1		1				1
Periostitis	3		3		3				3
Osteo-clasis	1		1		1				1
Osteotomy	9	3	12	1	11				12
Neurotomy		1	1		1				1
Neurectomy	5	1	6	4	2				6
Nerve stretched		2	2			2			2
Nerve suture	1		1		1				1
Tenotomy	4	2	6	1	5				6
Tendon suture	3	1	4		4				4
Muscle suture	2		2		2				2
Perineal section for fistula	2		2		2				2
for extravasation of urine	2		2		2				2
stone in urethra	1		1		1				1
Plastics:—									
For lacerated cervix		17	17	16	1				17
ruptured perineum		15	15	9	6				15
Lacerated cervix and ruptured perineum		23	23	15	6	1		1	23
Anterior colporrhaphy		1	1		1				1
Fistula in vagina		2	2		2				2
Vesico-vaginal fistula		1	1		1				1
Recto-vaginal fistula		1	1		1				1
Cicatrix		1	1	1					1
Anus		2	2	1	1				2
Urethra	1		1		1				1
Nose	1		1		1				1
Thiersch grafts	15	5	20	1	19				20
Reverdin's grafts	1		1		1				1
Hare lip	6	3	9	2	6	1			9
Cleft palate	1		1	1					1
Alexander's operation		20	20	13	7				20
Eyelid	2		2		2				2
Exstrophy of bladder	1		1			1			1
Carried forward	533	495	1028	273	597	52	90	16	1028

SURGICAL OPERATIONS.—*Continued.*

Operations.	Admitted.			Discharged.					
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	533	495	1028	273	597	52	90	16	1028
Rectum and anus:—									
Rectal bougies	1	...	1		1				1
Kraske's operation	2	1	3	2	1				3
Fistula seton	.. .	1	1		1				1
curetted	4		4		3		...	1	4
cut	24	17	41	10	30	...		1	41
Fissure-sphincter stretched	5	5	10	2	8	...			10
Prolapse cauterized		2	2		2				2
Polyp cauterized	3		3	3					3
Epithelioma of anus	1		1	1					1
Hæmorrhoids-cauterized	24	20	44	20	24				44
cut	1	...	1	1					1
Whitehead's operation	1	1	2	1	1				2
Impacted feces removed	1		1	1					1
Stricture of rectum cut	1		1			1			1
dilated	1	1	2		2			...	2
Cervix uteri dilated		3	3		3				3
Dislocations reduced:—									
Pott's fracture	19	4	23	3	20				23
compound	2		2		1		1		2
Cervical vertebræ	1		1	1					1
Hip	5	...	5	3	2				5
Ankle	1		1		1				1
compound	1		1		1				1
Elbow	1	1	2	1	1				2
Wrist	1		1	1					1
Shoulder—open method	1		1	1				...	1
Cartilage knee	1		1		1				1
Depressed malar bone	1		1					1	1
Sutured wounds:—									
Scalp and ear	46	2	48	46			2		48
Face	9	2	11	10	1				11
Neck	3		3	1	2				3
Back	1		1	1					1
Carried forward	695	555	1250	382	703	53	93	19	1250

SURGICAL OPERATIONS.—*Continued.*

Operations.	Admitted.			Discharged.					
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	695	555	1250	382	703	53	93	19	1250
Upper extremity	9		9	1	7		1		9
Abdomen	1		1		1				1
Lower extremity	17		17	6	10	1			17
Tracheotomy:—									
Tumor of larynx	3		3		3				3
Tuberculosis of larynx	1		1		1				1
Foreign body	2	1	3	3					3
During operation	1		1	1					1
Paracentesis:—									
Membrana tympani	1		1		1				1
Loose cartilage in knee joint	4		4	2	2				4
Tumors:—									
Cancer of breast		1	1		1				1
superior maxilla	1		1		1				1
eye and lid	2		2		2				2
face	6		6		6				6
nose	1	3	4		4				4
lip	16		16		16				16
recurrent	1		1		1				1
penis	4		4		4				4
recurrent	1		1		1				1
anus	1		1		1				1
leg	1		1		1				1
neck	1	1	2		2				2
tongue	4	1	5		5				5
axilla—recurrent		6	6		6				6
Sarcoma of antrum	2		2		2				2
upper jaw		1	1		1				1
lower jaw		3	3		3				3
buttock		1	1		1				1
thigh	1		1			1			1
orbit	1		1		1				1
nose		2	2		2				2
palate		1	1		1				1
Carried forward	777	576	1353	395	790	55	94	19	353

SURGICAL OPERATIONS.—*Continued.*

Operations.	Admitted.			Discharged.					
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	777	576	1353	395	790	55	94	19	1353
Sarcoma of neck	3		3		2	1			3
parotid		1	1		1				1
tonsil	1		1		1				1
abdominal wall		1	1		1				1
inguinal glands	1		1		1				1
Myxo-sarcoma, antrum	1		1		1				1
popliteal space	1		1		1				1
thigh	1	1	2		1	1			2
Lympho-sarcoma neck	1		1	..	1				1
Myxoma, popliteal space		1	1		1				1
parotid		1	1	1					1
Fibro-myxoma breast		1	1	1					1
Lymphoma	1	1	2	1	1				2
Lymphadenoma	1		1	1					1
Lipoma, thigh	1		1	1					1
multiple	1		1	1					1
side		1	1	1					1
Cyst dentigerous		1	1	1					1
Angioma excised	1		1	1					1
cauterized		2	2		2				2
Tumor of tongue	1		1	1					1
leg	1		1	1					1
Fibroid tumor—buttock	1		1	1					1
uterine (polyp)		11	11	5	6				11
chest		1	1	1					1
vagina		2	2	1	1				2
labia		1	1		1				1
groin		1	1	1			..		1
leg		2	2	2					2
Cyst of labium		1	1	1		..		..	1
vagina		1	1	1					1
Benign of breast		10	10	9	1				10
groin	1		1	1					1
Horn of labium		1	1	1					1
Carried forward	795	618	1413	430	813	57	94	19	1413

SURGICAL OPERATIONS.—*Continued.*

Operations.	Admitted.			Discharged.					
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	795	618	1413	430	813	57	94	19	1413
Bony exostosis	1		1		1				1
Varicose veins		1	1		1				1
Stricture of the urethra: —									
Divulsions	39		39		37		2		39
Gradual dilatation	8		8		8				8
Internal urethrotomy	1		1		1				1
Meatus cut	5		5	1	4				5
Perineal section	7		7		6		1		7
Perineal section and internal urethrotomy	2		2		2				2
divulsion	4		4		4				4
Divulsion and internal urethrotomy	2		2		2				2
Female urethra dilated		4	4	1	3				4
Stone in urethra—external urethrotomy	1		1		1				1
Prostatectomy	1		1	1					1
Tumor of bladder, crushed	2		2		2				2
Stone in bladder, washed out	2		2		2				2
Litholapaxy	19	1	20	1	17		2		20
Keloid	2		2		2				2
Caruncle		2	2	1	1				2
Wens	2	1	3	3					3
Keratosis		1	1	1					1
Trephining for fractured skull	12		12		4	1	7		12
cerebral tumor	2		2		2				2
micro-cephalon		2	2		2				2
traumatic epilepsy	2		2		1			1	2
meningitis	1		1				1		1
abscess of brain	1		1				1		1
Laminectomy	1		1		1				1
Powder face scrubbed	2		2		2				2
grains punched out	1		1		1				1
Enucleation of eye	4	1	5		5				5
Empyema	18	3	21	1	14		6		21
Estlander's operation	2		2		2				2
Nephrotomy	2	1	3	1	2				3
Carried forward	941	635	1576	441	943	58	114	20	1576

SURGICAL OPERATIONS.—*Continued.*

Operations.	Admitted.			Discharged.					
	Males.	Females.	Total.	Well.	Relieved.	Not Relieved.	Died.	In Hospital Jan. 1, 1894.	Total.
Brought forward	941	635	1576	441	943	58	114	20	1576
Nephrorrhaphy		4	4	1	3				4
Nephrectomy	2	2	4	1	1		2		4
Cholecystotomy	1	13	14	3	8	2	1		14
Hydrocele tapped	1		1		1				1
injected	3		3		3				3
radical cure	19		19	13	6				19
Varicocele	15		15	2	12			1	15
Spermatocele	1		1		1				1
Tuberculosis, sacro-iliac articulation	2		2		1		1		2
Tubercular sinus laid open	2		2		2				2
Totals	987	654	1641	461	981	60	118	21	1641

MASSACHUSETTS GENERAL HOSPITAL.

OUT-PATIENTS.

Report of the Women's Medical Department for the Year ending Dec. 31, 1893.

Number of new patients 4,632; women, 4,632; American, 1,671 · Foreign, 2,961; residents of Boston, 2,090; residents of other places, 2,542.

Diseases of Heart and Circulation	147
Diseases of Respiratory System	468
Diseases of Nervous System	102
Diseases of Stomach and Intestines	753
Diseases of Kidney and Urinary Tract	85
Diseases of Rectum and Anus	37
Diseases of Women	1,135
Rheumatic Affections	220
Anæmia and Chlorosis	305
Functional Headache	68
Abdominal Tumors	39
Obesity	24
Debility	191
Specific	32
Malaria	14
Typhoid	2
Goitre	2
Hernia	4
Unclassified and Referred	1,004
Total	4,632

Report of the Skin Department for the year ending Dec. 31, 1893.

Number of new patients, 2,795; men, 992; women, 1,086; children (under 14), 717; American, 1,033; Foreign, 1,762; residents of Boston, 1,662; residents of other places, 1,133; total attendance, 9,060; Number of prescriptions given, few.

Hyperidrosis	8
Bromidrosis	1
Seborrhœa	29
Comedo	7
Milium	3
Adenoma Sebaceum	1

Exanthemata	27
Erythema	4
Erythema Multiforme	19
Erythema Nodosum	5
Urticaria	112
Urticaria Pigmentosa	1
Dermatitis	87
Dermatitis Renenata	60
Dermatitis Calorica	14
Dermatitis Medicamentosa	18
Erysipelas	51
Furunculus	38
Herpes Simplex	19
Herpes Zoster	36
Dermatitis Multiformis	4
Psoriasis	78
Pityriasis Mac. et Cive.	14
Lichen Planus	5
Eczema	876
Acne	312
Sycosis	8
Impetigo	7
Impetigo Contagiosa	36
Ecthyma	19
Purpura	5
Chloasma	9
Melanoderma Leutic. Progr.	1
Keratosis Pilaris	3
Keratosis Senilis	15
Molluscum Epitheliale	4
Callositas	3
Clavus	1
Verruca	17
Nævus Pigmentosus	3
Xerosis	3
Ichthyosis	2
Hypertrichosis	3
Sclerema Neonatorum	1
Elephantiasis Telangiectodes	1
Rosacea	10
Leucoderma	2
Vitiligo	7
Alopecia	15
Alopecia Furfuracea	4
Alopecia Areata	14
Atrophia Unguis	3
Atrophia Striata	1
Cicatrix	1
Fibroma	1
Angioma	5
Lupus Erythematosus	6

Tuberculosis	Lupus	5
	Scrofuloderma	17
	Verrucosa	17
Syphiloderma		226
Carcinoma		11
Hyperæsthesia		1
Pruritus		42
Tinea Favosa		12
Tinea Trichophytina		97
Tinea Versicolor		19
Scabies		218
Pediculosis Capillitii		105
Pediculosis Corporis		13
Pediculosis Pubis		5
Ulcer		75
Uncertain Diagnosis		48

Report of the Throat Department for the year ending Dec. 31, 1893.

Number of new patients, 2,405; men, 1,027; women, 951; children (under 14), 427; American, 1,481; foreign, 924; residents of Boston, 1,174; residents of other places 1,231; total attendance, 6,371.

Catarrhal Disease of Nose, Pharynx, and Larynx	1,239
Eczema of Nostrils	30
Epistaxis	35
Injuries to Nose	19
Deviation of Septum Nasal Obstruction	111
Nasal Polypi	46
New Growth in Pharynx, Nose, Larynx, and Mouth	34
Adenoids	112
Cleft Palate	5
Foreign Bodies in Nose	11
Acute Tonsilitis	108
Chronic Tonsilitis	123
Hypertrophy of Lingual Tonsil	12
Peri Tonsillar Abscess	42
Lingual Abscess	2
Syphilis	119
Stomatitis	54
Referred	107
Retro-Pharyngeal Abscess	3
Impediment of Speech	24
Neurosis of Pharynx	19
Adenitis	56
Goitre	7
Phthisis Laryngeus	31
Neurosis of Larynx	12
Supposed Foreign Bodies in the Throat	17
Anæmia	1

Hysteria	7
Pharyngo Mycosis	2
Abscess of Hard Palate	1
Cyst of Tongue	1
Disease of Antrum	5
Angioma	1
Paralysis of the Vocal Cord	4
Leuplakia	3
Old Fracture of Cricoid	1
Hemorrhage after Extraction of Teeth	1

Report of the Ophthalmic Department for the year ending Dec. 31, 1893.

Number of new patients, 1,192; men, 352; women, 591; children (under 14), 249; American, 765; foreign, 427; residents of Boston, 566; residents of other places, 626; total attendance, 3,931.

Conjunctiva	183
Cornea and Sclerosis	142
Iris and Choroid	24
Optic Nerve and Retina	27
Refraction and Accommodation	544
Muscles and Nerves	19
Lens	22
Strabismus	19
Lachrymal Apparatus	21
Lid	85
Globe	6
Foreign Bodies	13
Orbit	4
Glaucoma	5
Unclassified	78

Report of the Men's Medical Department for the year ending Dec. 31, 1893.

Number of new patients, 4,682; men, 3,637; children (under 14), 1,045; American, 2,488; foreign, 2,194; residents of Boston, 2,354; residents of other places, 2,328; total attendance, 7,760.

General	892
Local	634
Respiratory	1,052
Digestive	892
Circulatory	231
Nervous	293

Genital	73
Urinary	138
Unclassified	335
Referred	142

Report of the Department Nervous Diseases for the year ending Dec. 31, 1893.

Number of patients, 1,182; men, 517; women, 449; children (under 14), 216; American, 641; foreign, 541; residents of Boston, 656; residents of other places, 526; total attendance, 4,578.

Injury to Nerves	38
Neuritis including Neuralgia	159
Torticollis	6
Locomotor Ataxia	21
Lateral Sclerosis	2
Other forms of Sclerosis	5
Anterior Poliomyelitis	16
Myelitis	1
Other Spinal Diseases	3
Potts Disease	3
Progressive Muscular Atrophy	8
Cerebro Spinal Syphilis	3
Chronic Bulbitis	1
General Paresis	23
Other Mental Diseases	33
Hysteria	21
Cerebral Diseases of Children	16
Paralysis Agitans	16
Tumor Cerebri	8
Facial Spasm	4
Epilepsy	75
Chorea	104
Hemiplegia	23
Monoplegia	2
Cerebral Diplegia	1
Hydrocephalus	1
Lead Poisoning	6
Recurrent Paræsthesia	29
Paralysis of Cerebral Nerves	12
Graves' Disease	12
Myxœdema	1
Tetany	1
Acromegaly	1
Tremor Senilis	2
Occupation Neuroses	7
Results of Neurasthenia and Anæmia	187
Unclassified and Referred	331

Number of new patients, 9,639; men, 6,114; women, 1,996; children (under 14), 1,529; American, 4,253; foreign, 5,386; residents of Boston, 5,261; residents of other places, 4,368; total attendance, 52,846.

Injuries of Face and Head	736
Injuries of Ribs and Trunk	311
Abscess and Inflamed Glands	836
Fracture and Dislocation Clavicle	93
Injuries and Dislocation Shoulder, Fracture Humerus, and Contusions	467
Injuries and Dislocation Elbow	187
Fractures Radius and Ulna, Sprained Wrists, Colles' Fractures	555
Specific	117
Rectum	291
Injuries and Dislocation Thigh, Foot, Leg, or Ankle	1,155
Injuries Hands, Felons	786
Malignant Growths	155
Benign Growths	193
Injuries and Dislocation Knee and Hip	403
Bones and Periosteum	119
Hernia and Hydrocele	565
Varicose Veins and Ulcers	353
Rheumatism, Neuralgia	172
Genito Urinary	1,007
Burns and Scalds	58
Miscellaneous	304
Referred	676

ANNUAL REPORT (SEVENTY-SIXTH)

OF THE

SUPERINTENDENT OF THE McLEAN HOSPITAL.

The following report, with tabular statements relating to the number and condition of the patients treated in the hospital during the year 1893, is respectfully presented: —

TABLE No. 1.

GENERAL STATISTICS OF THE YEAR.

	Males.	Females.	Total.
Patients in the hospital, Jan. 1, 1893	81	87	168
Admissions within the year	46	63	109
Whole number of *cases* within the year	127	150	277
Discharged within the year	48	54	102
Namely, — as Recovered	9	14	23
Much improved	11	10	21
Improved	8	10	18
Unimproved	9	18	27
Deaths	11	2	13
Patients remaining Dec. 31, 1893, supported as private patients,	79	96	175
Number of different *persons* within the year,	127	149	276
" " " " admitted	46	62	108
" " " " recovered	9	14	23
Daily average number of patients	83.79	93.39	177.18

During the year one woman was admitted twice. Thus there were two hundred and seventy-seven cases treated, representing two hundred and seventy-six persons.

Of the one hundred and eight persons admitted during the year, sixty-one were regarded as recent cases, and forty-seven as chronic, or incurable.

Seventy-six persons, thirty-five men and forty-one women, had never been in any hospital. Of the

remaining thirty-two persons, twenty, six men and fourteen women, were admitted for the second time; seven persons, two men and five women, for the third time; three persons, two men and one woman, for the fourth time, and two persons, one man and one woman, for the sixth time.

In 1893 there were forty-one less admissions, fifty-eight less discharges, and fifty-one less cases under treatment than during the year 1892; and the number present was seven more at the end than at the beginning of the year.

Of the one hundred and two persons discharged, including deaths, nineteen, eight men and eleven women, were transferred or committed to other hospitals in this State.

Of the twenty-three persons discharged recovered, fifteen had never before been inmates of any hospital; and of the remaining eight persons, seven had been in this hospital, and one in Taunton Lunatic Hospital. These eight persons had previously made nineteen recoveries.

The average duration of illness from the beginning of attack in all cases recovered was 25.99 months, and the average duration of their residence in the hospital was 11.50 months. This calculation of duration gives widely varying results in different years among the relatively small number of patients in this hospital. The great excess of the averages just stated was due chiefly to one patient, who was discharged after a hospital residence of nine years. Omitting this case, the average duration of illness would be 10.08 months and of residence 7.07 months.

The percentage of recoveries on all admissions, for the year 1893, was 21.10.

The voluntary cases admitted during the year numbered forty-six, sixteen men and thirty women. Of

these, twenty-five were cases of melancholia, four of mania, two of delusional insanity, four of toxic insanity, one of paralytic insanity, one of general paralysis, one of secondary dementia, two of senile dementia, two of hysterical insanity, three of *folie du doute*, and one not insane.

Of these forty-six persons, four were committed after entering the hospital as voluntary cases. The forty-six voluntary cases admitted during the year with thirty-eight such cases remaining from previous years furnished ten recoveries. Thus the voluntary patients have yielded 21.8 per cent. of recoveries on the admissions of that class for 1893, thus furnishing only their due proportion of all the recoveries. Of this class, nine other cases were discharged much improved, nine improved, ten not improved, and three dead. The total remaining under the voluntary relation at the end of the year is forty-one persons, thirteen men and twenty-eight women.

The number of persons admitted as voluntary patients under the present law is as follows: namely, 1881, 1; 1882, 11; 1883, 33; 1884, 49; 1885, 34; 1886, 29; 1887, 29; 1888, 34; 1889, 41; 1890, 58; 1891, 40; 1892, 52; 1893, 46; — a total of 457 persons in thirteen years.

The voluntary cases were nine less than one half of all such admissions. Four of these were regularly committed after admission to the hospital, — two because of their formal demand for discharge, and two because the hospital authorities did not regard them as proper cases to remain on the voluntary basis. A large proportion of the voluntary patients were, as usual, cases of melancholia, — thirty-five out of the forty-six admissions.

The number of admissions during the past year was considerably less than in 1892; but for that year

it was extraordinarily large, and the reduction brings down the admissions to about the average of recent years. The movement of the hospital population was slower and the average number present during 1893 was a little larger than in any of the previous ten years. This reduction was in part due to the inability to discharge patients to make room for new-comers, and more applications than usual were declined.

The near approach of the time when the new hospital at Waverley will be ready for occupation has stimulated our continued attention to preparations for entering upon the new work there. Some modification of present methods will be necessary to suit the new conditions. It is desirable that the required changes and expansion of the hospital organization shall be made, or provided for, so that we can get settled in the new place as quickly as possible when it is ready, and put into efficient use, at once, the opportunities for improved medical work. In preparation for the laboratory work, Dr. August Hoch, formerly neurological assistant at the Johns Hopkins Hospital, who has been in Germany during the past year, will continue his special studies at Leipzig with Professor Wundt; and he will later go to study with Professor Mosso at Turin, and elsewhere. He is expected to return to the hospital for duty in the latter part of the coming year, in time to aid in fitting up the new laboratory department. An account of this is included in the special description of the new hospital printed with the annual report. The work in chemical pathology is being carried on under the present arrangements.

The teaching of the classes of nurses and the supervision of their work in physical training is being done by Miss Alice M. Hurlbutt, who is a graduate of the Training School. She resides in the hospital and is

now also a pupil of the Boston Normal School of Gymnastics. It is intended to develop this work in the direction of medical gymnastics, and to have this officer take charge of the new gymnasium for women that it is hoped will be provided for this and the other important purposes, set forth in a special report to the Trustees on the occupation of patients to be found in the appendix to this report. A like provision is desirable for the men. Attention is especially invited to this subject, because of its importance in the medical work that can be done with the aid of this department, and the interest it must possess for all who care for what may give comfort and benefit to the mentally ill.

A satisfactory change has also been made in the manner of teaching the nurses in cooking for the sick. A resident instructor, Miss Bessie E. Hazen, a graduate of the Boston Normal School of Cookery, has charge of this department. Each pupil formerly attended a course of afternoon lessons given by a non-resident teacher. The women nurses now have one month of tuition, during the forenoons, in the school kitchen. The men have a course of ten lessons.

There is one other very important requirement of the new hospital that ought to be kept in mind; it would take a large place among those things that add perfection to the otherwise liberal means afforded for the best hospital work. This requirement is a small building for a few patients of each sex, to be especially a *hospital*, — the place where a patient may be received when acutely ill and disturbed, and have the first treatment separated from all association with others and from every harmful influence. When, later, the patient is able to meet others and join in those things that promote agreeable relations, there will have been thus an avoidance of the evidences of

illness that are so painful to remember as having been received or given. No more humane or useful provision could be made than for the finer treatment of such special cases; the skilful management of those in such sensitive conditions requires the adaptation of appliances as carefully suited to their purpose as are those demanded by the refinements of modern surgery.

The Training School for Nurses maintains its useful and indispensable work. Their satisfactory and successful service in the hospital and in private nursing is proof of the correctness of the plan of instruction, in which the endeavor is to make constant improvements. There have been more calls upon us than usual during the past year for nurses to take charge of hospitals or of the nursing in them, and a number of such appointments have been made of graduates of this school. A special report of it will be found in the appendix to this report.

The old hospital at Somerville has much in it that is comfortable and homelike, to which its occupants become attached, but the household is inspired with a hopeful expectation of the better things the new hospital will afford. All this carries with it, however, a certain anxiety that the best results of the experiences here shall be attained there; and the responsibility is felt to be very great for the right presentation of these results in the use that is being made of the great opportunity given by this crisis in the history of the hospital. The aid and sympathy that is being given in these matters by many who are interested in the highest welfare of the patients and the hospital are gratefully appreciated.

Very respectfully,

EDWARD COWLES,

Superintendent.

TABLE No. 2.

TABLE OF ADMISSIONS, DISCHARGES, AND RESULTS FOR TEN YEARS.

Years.	Admitted.	Discharged.	Whole No. under care.	Died.	Much Improved, etc.	Recovered.	Remaining at End of Year.	Average No. of Patients.
1884	113	103	278	17	52	34	175	166
1885	95	100	270	17	46	37	170	171
1886	93	96	263	14	46	36	167	169
1887	75	78	242	17	35	26	164	160
1888	105	103	269	23	37	43	166	164
1889	113	105	279	16	56	33	174	168
1890	123	113	297	11	58	44	184	173
1891	119	125	303	20	72	33	178	171
1892	150	160	328	23	102	35	168	174
1893	109	102	277	13	66	23	175	177

Total number of admissions from the year 1818, 7,808.

TABLE No. 3.

MONTHLY ADMISSIONS, DISCHARGES, AND AVERAGES.

Months.	Admissions.			Discharges (Including Deaths).			Daily Average of Patients in the House.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
January . .	4	5	9	5	1	6	80.51	87.90	168.41
February . .	4	4	8	2	5	7	81.11	90.78	171.89
March . . .	7	7	14	4	5	9	82.74	92.51	175.25
April . . .	4	4	8	1	6	7	87.13	90.83	177.96
May	4	6	10	5	1	6	89.03	92.48	181.51
June	1	7	8	5	3	8	84.47	96.23	180.70
July	6	3	9	5	7	12	84.64	95.84	180.48
August . . .	1	4	5	5	6	11	81.71	93.93	175.64
September . .	5	4	9	1	4	5	80.90	92.93	173.83
October . . .	7	6	13	5	4	9	85.42	93.61	179.03
November . .	3	7	10	4	6	10	85.26	96.90	182.16
December . .	. .	6	6	6	6	12	82.58	96.71	179.29
Total *cases* .	46	63	109	48	54	102	83.79	93.39	177.18
Total *persons* .	46	62	108	48	54	102	. .	. .	. .

TABLE No. 4.

RECEIVED ON FIRST AND SUBSEQUENT ADMISSIONS.

Number of the Admission.	Cases admitted.			Times previously recovered.		
	Males.	Females.	Total.	Males.	Females.	Total.
First	35	41	76	. .	2	2
Second	6	15	21	3	10	13
Third	2	5	7	5	4	9
Fourth	2	1	3	5	. .	5
Sixth	1	1	2	5	5	10
Total of *cases* . .	46	63	109	18	21	39
Total of *persons* .	46	62	108			

These 39 recoveries represent 21 persons, 12 having recovered one, 4 two, 3 three, and 2 five times.

TABLE No. 5.

RELATION TO HOSPITALS OF THE PERSONS ADMITTED.

	Males.	Females.	Total.
Never before in any Hospital	35	41	76
Former inmates of this Hospital	5	6	11
Former inmates of other Hospitals	3	12	15
Former inmates of this and other Hospitals .	3	3	6
Total of *persons*	46	62	108

TABLE No. 6.

PARENTAGE OF PERSONS ADMITTED.

Place of nativity.	Males.		Females.		Total.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine	2	2	7	7	9	9
New Hampshire	2	3	3	5	5	8
Vermont	3	3	1	1	4	4
Massachusetts	24	23	31	27	55	50
Rhode Island	..	1	1	..	1	1
Connecticut	2	1	2	3	4	4
New York	3	3	2	3	5	6
New Jersey	..	..	1	1	1	1
Illinois	..	..	1	1	1	1
Kentucky	..	..	1	1	1	1
England	2	2	3	1	5	3
Ireland	3	3	4	6	7	9
Scotland	2	2	1	..	3	2
Canada	3	3	1	2	4	5
Cuba	..	..	..	1	..	1
Denmark	..	..	1	1	1	1
Spain	..	..	1	..	1	..
Russia	..	..	1	1	1	1
Holland	..	..	..	1	..	1
Total of *persons*	46	46	62	62	108	108

TABLE No. 7.

RESIDENCE OF PERSONS ADMITTED.

Places.	Males.	Females.	Total.
Masschusetts : —			
Suffolk County	17	23	40
Middlesex County	11	18	29
Essex County	3	4	7
Norfolk County	5	1	6
Plymouth County	3	4	7
Worcester County	2	2	4
Hampshire County	..	1	1
Barnstable County	..	1	1
Vermont	2	1	3
New York	2	2	4
Pennsylvania	1	1	2
Illinois	..	1	1
Iowa	..	1	1
South Carolina	..	1	1
Canada	..	1	1
Total of *persons*	46	62	108

TABLE No. 8.

CIVIL CONDITIONS OF PERSONS ADMITTED.

Number of the Admission.	Unmarried.			Married.			Widowed.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First . . .	13	15	28	21	22	43	1	4	5	35	41	76
Second . .	. .	3	3	6	6	12	. .	6	6	6	15	21
Third . . .	. .	3	3	2	1	3	. .	1	1	2	5	7
Fourth . .	. .	. .	. .	2	. .	2	. .	. .	. .	2	. .	2
Sixth . . .	1	. .	1	. .	. .	. .	. .	1	1	1	1	2
Total *persons*,	14	21	35	31	29	60	1	12	13	46	62	108

TABLE No. 9.

OCCUPATIONS OF PERSONS ADMITTED.

Occupations.	Males.	Females.	Total.
Housewife	. .	31	31
Clerk	7	1	8
Manufacturer	2	. .	2
Real Estate	1	. .	1
Lawyer	1	. .	1
Teacher	. .	5	5
Clergyman	2	. .	2
Physician	1	. .	1
Student	2	. .	2
Farmer	2	. .	2
Merchant	6	. .	6
Contractor	1	. .	1
Insurance Agent	2	. .	2
Bank Teller	1	. .	1
Treasurer	1	. .	1
Stenographer	. .	1	1
Lecturer	1	. .	1
Lobbyist	1	. .	1
Paper Stainer	1	. .	1
Athlete	1	. .	1
Nurse	1	1	2
Naval Officer	1	. .	1
Book-keeper	1	. .	1
Stable Keeper	1	. .	1
Stone-cutter	1	. .	1
Machinist	2	. .	2
Hat-maker	. .	1	1
Teamster	1	. .	1
Servant	1	. .	1
No Occupation	4	22	26
Total of *persons*	46	62	108

TABLE No. 10.

PROBABLE CAUSES OF DISEASE IN PERSONS ADMITTED.

Causes.	Persons Admitted.						Committed.						Voluntary.					
	Committed.			Voluntary.			Previous Attacks.			Hereditary Predisposition			Previous Attacks.			Hereditary Predisposition.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
1.—Physical:—																		
Congenital	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Heredity	2	..	2	2	..	2	1	..	1	2	..	2	2	..	2	2	..	2
Ill health	1	9	10	..	4	4	1	1	2	..	2	2	..	1	1	..	1	1
Influenza	2	3	5	..	2	2	1	2	3	..	..	..	..	1	1	..	1	1
Neurasthenia	..	1	1	1	1	2	..	..	..	..	..	..	..	..	..	1	..	1
Scarlet Fever	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Epilepsy	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Syphilis	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Uterine	..	..	..	..	1	1	..	..	..	..	..	..	..	1	1	..	1	1
Menopause	..	4	4	..	2	2	..	1	1	..	1	1	..	..	..	..	..	..
Childbirth	..	2	2	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..
Intemperance	2	1	3	3	..	3	..	..	..	..	..	..	2	..	2	..	..	..
Injury	..	1	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..
Overwork	5	..	5	2	5	7	1	..	1	..	..	..	1	2	3	2	2	4
Puberty	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Old age	3	1	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2.—Mental:—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Anxiety	3	1	4	1	1	2	..	..	..	2	..	2	..	..	..	1	..	1
Grief	..	1	1	..	2	2	..	1	1	..	1	1	..	1	1	..	1	1
Domestic trouble	..	..	..	..	1	1	..	..	..	..	..	..	..	1	1	..	1	1
Unknown	7	7	14	7	10	17	1	3	4	3	..	3	2	4	6	1	4	5
Total	30	32	62	16	30	46	5	8	13	7	5	12	7	11	18	7	10	17

TABLE No. 11.

RECORD OF CASES ADMITTED WITHIN THE YEAR.

Patients.	Insane.			Voluntary Patients.			Total.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
Admitted	30	33	63	16	30	46	46	63	109
Discharged recovered	1	5	6	3	3	6	4	8	12
much improved	3	1	4	3	1	4	6	2	8
improved	3	1	4	3	2	5	6	3	9
not improved	..	5	5	1	5	6	1	10	11
Died	5	1	6	1	1	2	6	2	8
Remaining Dec. 31, 1893*	19	21	40	4	17	21	23	38	61
Number likely to recover or improve	4	8	12	4	15	19	8	23	31

* Two voluntary patients committed.

TABLE No. 12.

AGES OF INSANE AT FIRST ATTACK, ADMISSION AND DEATH.

Ages.	Persons First Admitted to any Hospital.						Persons Died.					
	At First Attack.			When Admitted.			At First Attack.			At Time of Death.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital . . .	1	..	1	..	..	..	..	..	..	..	..	..
15 years and less .	..	..	..	..	..	..	..	..	..	..	..	..
From 15 to 20 years	3	1	4	3	1	4	..	..	..	..	..	..
20 to 25 years	4	5	9	3	4	7	..	..	..	..	..	..
25 to 30 years	..	6	6	2	4	6	..	..	..	..	..	..
30 to 35 years	4	6	10	4	7	11	1	..	1	1	..	1
35 to 40 years	1	3	4	1	3	4	3	..	3	2	..	2
40 to 50 years	9	6	15	9	8	17	2	..	2	2	..	2
50 to 60 years	8	7	15	7	6	13	2	1	3	3	1	4
60 to 70 years	2	6	8	3	7	10	1	1	2	1	1	2
70 to 80 years	3	1	4	3	1	4	2	..	2	1	..	1
Over 80 years . . .	..	..	..	..	..	..	..	..	..	1	..	1
Total of persons .	35	41	76	35	41	76	11	2	13	11	2	13
Mean ages . . .	Yrs. 43.34	Yrs. 42.04	Yrs. 42.72	Yrs. 44.82	Yrs. 44.14	Yrs. 44.46	Yrs. 50.36	Yrs. 60.00	Yrs. 51.84	Yrs. 54.00	Yrs. 60.00	Yrs. 54.92

TABLE No. 13.

REPORTED DURATION OF INSANITY BEFORE LAST ADMISSION.

Previous Duration.	First Admission to any Hospital.			All other Admissions.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital . .	..	..	..	..	..	..	..	..	..
Under 1 mo. .	5	11	16	4	5	9	9	16	25
Fr. 1 to 3 mos.	7	10	17	2	7	9	9	17	26
3 to 6 .	9	7	16	2	1	3	11	8	19
6 to 12 .	8	3	11	..	2	2	8	5	13
1 to 2 yrs. .	4	3	7	2	1	3	6	4	10
2 to 5 .	1	5	6	1	1	2	2	6	8
5 to 10 .	..	1	1	..	4	4	..	5	5
10 to 20 .	..	1	1	..	..	..	..	1	1
Over 20 yrs. .	1	..	1	..	1	1	1	1	2
Total *cases* .	35	41	76	11	22	33	46	63	109
Total *persons* .	..	..	..	11	21	32	46	62	108
Average of known persons (in years).	1.56	1.19	1.36	.79	2.64	2.01	1.38	1.69	1.56

TABLE No. 14.

FORM OF MENTAL DISEASE IN CASES ADMITTED OR DISCHARGED, WITH CONDITION ON DISCHARGE.

Form of disease.	Cases Admitted.			Cases Discharged.																	
				Recovered.			Much Improved.			Improved.			Not Improved.			Died.			Total.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
A. Committed :—																					
Mania, acute	5	7	12	2	6	8	3	2	5	1	2	3	..	..	..	..	..	..	6	10	16
chronic	1	..	1	..	..	..	1	..	1	..	..	..	1	..	1	..	..	..	2	..	2
Melancholia, acute	2	8	10	..	3	3	2	1	3	1	..	1	..	..	..	..	1	1	3	5	8
chronic	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dementia, secondary	1	5	6	..	..	..	..	1	1	..	..	..	1	5	6	..	..	..	1	6	7
senile	5	3	8	..	..	..	1	..	1	1	1	2	..	1	1	2	..	2	4	2	6
General paralysis of the insane	9	1	10	..	..	..	..	..	..	2	..	2	3	1	4	7	..	7	12	1	13
Toxic insanity	..	..	..	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2
Post-paralytic insanity	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	1
Hebephrenia	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Delusional insanity	3	8	11	..	..	..	..	1	1	..	1	1	..	4	4	..	..	..	..	6	6
Circular insanity	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Moral Insanity	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B. Voluntary :—																					
Mania, acute	2	2	4	1	1	2	1	..	1	..	..	..	..	2	2	..	1	..	2	3	5
Melancholia, acute	8	15	23	4	2	6	2	5	7	1	2	3	..	1	1	1	..	2	8	11	19
chronic	..	2	2	..	1	1	..	..	..	..	1	1	..	1	1	..	..	..	..	3	3
Dementia, secondary	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
senile	..	2	2	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	1
General paralysis of the insane	..	1	1	..	..	..	..	..	..	..	1	1	..	1	1	1	..	1	1	2	3
Hysterical insanity	..	2	2	..	..	..	..	..	..	..	2	2	..	..	..	..	..	..	..	2	2
Toxic insanity	3	1	4	..	1	1	1	..	1	1	..	1	1	..	1	..	..	..	3	1	4
Post-paralytic insanity	1	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	1
Delusional insanity	1	1	2	..	..	..	..	..	..	1	..	1	1	1	2	..	..	..	2	1	3
Folie du doute	..	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Not insane	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of Cases	46	63	109	9	14	23	11	10	21	8	10	18	9	18	27	11	2	13	48	54	102
Total of Persons	46	62	108	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE No. 15.

DISCHARGES, CLASSIFIED BY ADMISSION AND RESULT.

Number of the Admission.	Recovered.			Much Improved.			Improved.			Not Improved.			Died.			Totals.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First	5	10	15	7	7	14	6	7	13	3	14	17	8	2	10	30	40	70
Second	1	3	4	3	2	5	..	3	3	5	2	7	3	..	3	11	10	21
Third	2	..	2	..	..	..	1	..	1	..	2	2	..	..	..	3	2	5
Fourth	..	..	..	1	..	1	1	..	1	..	..	..	..	..	..	2	..	2
Sixth	1	1	2	..	..	..	..	..	..	1	..	1	..	..	..	2	1	3
Seventeenth	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	1
Total of cases	9	14	23	11	10	21	8	10	18	9	18	27	11	2	13	48	54	102
Total of persons	9	14	23	11	10	21	8	10	18	9	18	27	11	2	13	48	54	102

TABLE No. 16.

CAUSES OF DEATH.

Causes.	Committed.			Voluntary.			Totals.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
Nervous system:—									
Exhaustion from melancholia, acute	..	1	1	1	1	2	1	2	3
dementia, senile .	1	..	1	..	..	..	1	..	1
General paralysis	5	..	5	1	..	1	6	..	6
General:—	..	..	..	..	..	..	..	..	..
Pyæmia	1	..	1	..	..	..	1	..	1
Peritonitis	1	..	1	..	..	..	1	..	1
Intestinal obstruction	1	..	1	..	..	..	1	..	1
Totals	9	1	10	2	1	3	11	2	13

TABLE No. 17.

RECOVERIES, CLASSIFIED BY DURATION OF DISEASE AND TREATMENT.

Period.	Last Attack.									All Attacks.					
	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.			Whole Known Period of Mental Disease.			Whole Known Period of Hospital Residence.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
A.—Committed:—															
Under 1 month . . .	3	3	6	..	..	..	..	..	..	..	..	..	..	..	..
From 1 to 3 months . .	..	4	4	1	1	2	..	..	..	..	..	..	..	..	..
3 to 6 months . .	..	2	2	1	4	5	2	2	4	2	1	3	2	4	6
6 to 12 months .	..	..	..	1	4	5	1	7	8	1	6	7	1	4	5
1 to 2 years . . .	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..
5 to 10 years . .	..	..	..	1	..	1	..	..	..	..	..	..	1	1	2
10 to 20 years . .	1	..	1	..	..	..	1	..	1	1	1	2	..	..	..
Totals	4	9	13	4	9	13	4	9	13	4	9	13	4	9	13
Average of known cases (in months)	29.50	1.83	11.71	26.20	6.22	13.36	55.70	8.05	25.07	56.00	16.00	30.28	26.40	13.36	18.02
B.—Voluntary:—															
Under 1 month . . .	3	1	4	..	..	..	..	..	..	..	..	..	..	..	..
From 1 to 3 months . .	2	1	3	..	1	1	..	..	..	..	..	..	..	1	1
3 to 6 months . .	..	2	2	4	2	6	2	2	4	..	..	..	2	1	3
6 to 12 months .	..	..	..	1	..	1	3	1	4	2	2	4	1	1	2
1 to 2 years . . .	..	..	..	..	2	2	..	1	1	2	2	4	1	2	3
2 to 5 years . . .	..	1	1	..	..	..	..	1	1	1	1	2	1	..	1
Totals	5	5	10	5	5	10	5	5	10	5	5	10	5	5	10
Average of known cases (in months)	1.00	8.25	5.03	5.37	11.20	8.61	6.37	19.45	13.64	24.25	21.90	22.94	19.75	12.25	15.58

TABLE No. 18.

DEATHS, CLASSIFIED BY DURATION OF DISEASE AND TREATMENT.

Period.	Last Attack.									All Attacks.					
	Duration before Admission.			Hospital Residence.			Whole Duration from the Attack.			Whole Known Period of Mental Disease.			Whole Known Period of Hospital Residence.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
A.—Committed:—															
Congenital	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Under 1 month	1	1	2	2	1	3	..	..	..	..	..	..	2	1	3
From 1 to 3 months	1	..	1	3	..	3	..	1	1	..	1	1	2	..	2
3 to 6 months	1	..	1	..	..	..	1	..	1	1	..	1	..	..	..
6 to 12 months	2	..	2	3	..	3	2	..	2	2	..	2	4	..	4
1 to 2 years	3	..	3	..	..	..	1	..	1	1	..	1	..	..	..
2 to 5 years	1	..	1	1	..	1	5	..	5	5	..	5	1	..	1
Totals	9	1	10	9	1	10	9	1	10	9	1	10	9	1	10
Average of known cases (in months)	14.72	1.00	13.47	8.25	1.00	7.59	22.97	2.00	21.06	23.32	2.00	11.38	9.25	1.00	8.50
B.—Voluntary:—															
From 1 to 3 months	..	1	1	1	1	2	..	..	..	..	..	..	..	1	1
3 to 6 months	1	..	1	..	..	..	1	1	2	..	1	1	1	..	1
6 to 12 months	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..
1 to 2 years	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
5 to 10 years	..	..	..	1	..	1	1	..	1	1	..	1	1	..	1
Totals	2	1	3	2	1	3	2	1	3	2	1	3	2	1	3
Average of known cases (in months)	24.00	1.25	12.12	88.00	2.50	45.25	112.00	3.75	57.37	112.00	3.75	57.87	92.00	2.50	47.25

TABLE No. 19.

ANNUAL ADMISSIONS SINCE THE OPENING OF THE HOSPITAL, WITH THE DISCHARGES AND DEATHS WITHIN THE OFFICIAL YEAR AND THE NUMBER OF EACH YEAR'S ADMISSIONS REMAINING DEC. 31, 1893.

Years Ending December 31.	New Cases.																	
	Admitted.			Discharged and Died in 1893.														
				Recovered.			Much Improved.			Improved.			Not Improved.			Died.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Previous Years	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..
1883	34	41	75	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..
1884	40	35	75	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
1885	38	29	67	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1886	28	31	59	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..
1887	21	33	54	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1888	38	41	79	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..
1889	47	40	87	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
1890	36	47	83	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1891	39	50	89	..	1	1	..	1	1	..	..	..	1	2	3	..	..	..
1892	49	60	109	3	4	7	4	5	9	2	5	7		3	3	2	..	2
1893	38	53	91	2	4	6	5	1	6	4	3	7	1	9	10	5	2	7
Total	..	..	..	6	9	15	9	7	16	6	8	14	3	17	20	8	2	10

TABLE No. 19.

ANNUAL ADMISSIONS SINCE THE OPENING OF THE HOSPITAL, WITH THE DISCHARGES AND DEATHS WITHIN THE OFFICIAL YEAR AND THE NUMBER OF EACH YEAR'S ADMISSIONS REMAINING DEC. 31, 1893.—*Concluded.*

Years Ending December 31.	Re-admitted Cases.																		Remaining of Each Year's Admissions. Dec. 31, 1893.		
	Admitted.			Discharged and Died in 1893.																	
				Recovered.			Much Improved.			Improved.			Not Improved.			Died.					
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Previous Years . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	22	17	39
1883	14	20	34	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	4
1884	15	23	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..	4
1885	16	12	28	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	1
1886	21	13	34	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	3
1887	11	10	21	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	3
1888	9	17	26	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	8	10
1889	11	15	26	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	2	5
1890	25	15	40	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	4	6	10
1891	14	16	30	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	2	10	12
1892	24	17	41	1	1	2	1	2	3	..	..	..	6	..	6	1	..	1	12	11	23
1893	8	10	18	2	4	6	1	1	2	2	..	2	..	1	1	1	..	1	23	38	61
Total	..	..	..	3	5	8	2	3	5	2	2	4	6	1	7	3	..	3	79	96	175

TABLE No. 20.

RELAPSED CASES ADMITTED IN EACH YEAR AND DISCHARGED IN 1893.

Years Ending December 31.	Cases Previously Recovered in this Hospital.																				
	Admitted.			Discharged and Died in 1893.															Remaining Sept. 30, 1892.		
				Recovered.			Much Improved.			Improved.			Not Improved.			Died.					
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
1883	2	10	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1884	4	9	13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
1885	6	9	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
1886	10	3	13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
1887	3	4	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1888	4	8	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
1889	5	5	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..
1890	8	4	12	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..
1891	5	8	13	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	2	2
1892	9	7	16	1	1	2	..	..	..	..	..	..	3	..	3	..	..	..	..	3	3
1893	7	7	14	2	3	5	1	1	2	2	..	2	..	..	..	1	..	1	1	3	4
Totals . . .	63	74	137	3	4	7	1	1	2	2	2	4	3	..	3	1	..	1	3	10	13

TABLE No. 21.

TABLE SHOWING THE COST OF PRINCIPAL STORES AT McLEAN HOSPITAL.

Articles.		1891.			1892.			1893.		
		Quantity.	Cost.	Average.	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
Beef	lbs.	81,656	$9,651.80	$.1182	80,029	$9,008.48	$.1125	81,168	$9,718.24	$.1198
Mutton and Lamb	,,	21,849	2,194.25	.10	21,569	2,249.65	.1043	22,619	2,161.64	.0955
Veal	,,	11,405	1,154.26	.1012	12,250	1,230.78	.1004	10,499	1,115.43	.1062
Poultry	,,	17,709	2,828.92	.159	21,458	3,890.11	.1812	21,493	3,756.05	.1747
Ham, etc.	,,	12,727	1,320.07	.103	14,368	1,540.03	.107	15,628	2,228.25	.142
Eggs	doz.	12,534	2,698.53	.215	12,394	2,667.12	.215	12,945	3,033.52	.234
Lard	lbs.	3,100	283.20	.091	3,407	298.90	.081	3,491	431.37	.123
Flour	bbls.	554	3,146.62	5.679	582	2,920.60	5.018	605	2,598.75	4.295
Butter	lbs.	20,399	5,174.90	.253	21,237	5,222.96	.245	20,441	5,400.73	.264
Coffee	,,	3,689	982.08	.266	3,686	964.75	.261	3,963	1,052.60	.265
Tea	,,	1,634	396.81	.242	1,675	441.50	.263	1,709	402.49	.235
Sugar	,,	31,824	1,577.05	.049	34,857	1,531.91	.043	36,710	1,831.15	.049
Lights, Gas, etc.	feet		3,221.45			3,221.36		..	3,453.16	
Coal	tons	$1,608\frac{1119}{2000}$	8,515.42	5.293	$1,478\frac{405}{2000}$	8,281.68	5.601	$1,650\frac{1679}{2000}$	9,486.49	5.746
Wood	cords	$10\frac{1}{2}$	89.25	8.50				2	22.00	11.00
Ice	tons	$423\frac{1393}{2000}$	847.30	2.00	$463\frac{1800}{2000}$	927.60	2.00	$435\frac{1800}{2000}$	1,008.90	2.314

TABLE No. 22.

SUMMARY OF STOCK ON HAND, JAN. 1, 1894.

STORES.		
Meats, Breadstuffs, etc.	$1,029.56	
Groceries	183.17	
		$1,212.73
FUEL		248.40
FURNITURE.		
Crockery, Hardware, etc.	$216.66	
Chairs, Bureaus, etc.	103.80	
		320.46
STABLES.		
Hay and Grain		193.00
FARM.		
Hay and Grain		500.50
LINEN DEPARTMENT.		
Beds, Bedding, Linen, etc.		3,423.88
DISPENSARY.		
Medicine, Liquors, etc,		169.14
Total Stock on Hand, Jan. 1, 1894		$6,068.11

ELEVENTH ANNUAL REPORT

OF THE

McLEAN HOSPITAL TRAINING SCHOOL FOR NURSES.

The Training School for Nurses was organized more than eleven years ago, after three years of experimental work in preparation for it. Its foundation was slowly and carefully laid, and as evidence of its substantial character there are now on its records as graduates one hundred and sixty-seven names,— one hundred and seventeen women and fifty men. The class of the last year included seventeen women and seven men — a total of twenty-four nurses in the class of 1893. An account of the founding of the school is given in the Annual Report of the McLean Asylum (now Hospital) for 1885 ; and its later history, with reference to the condition of nursing for the insane in former years, may be found in the Seventh Annual Report of the school, published with the Asylum Report for 1889.

The principles upon which this school was organized have been proved to be sound, it is believed ; and there is abundant evidence of the usefulness of its nurses to the hospital and to the public, showing the success of their professional work in their own behalf. The following summary gives an idea of the distribution of the product of the school and to what positions in life its influences are extending.

	Women.	*Men.*
Number of graduates in eleven years	117	50
Graduates remaining in the service as nurses . .	7	5
Graduates remaining in the service as officers . .	2	1
Pupils in Boston Training School	3	
Previously graduated at Boston Training School .	23	
Superintendents of Hospitals	1	
Superintendents of nurses, other hospitals . . .	5	2

Employed in other institutions	5	4
Engaged in private nursing	59	17
Theological student		1
Dental students		2
Medical students		5
Physicians		2
In other business		6
At home	11	4
Married and left the profession	23	
Deceased	1	1
Pupils now in this school	43	29

It is noteworthy that one hundred and eleven of the graduates are still directly engaged in their professional work. While a considerable number have left it, as is shown in the foregoing tabulation, it is evident that their special training as nurses must bear a large share in the educational influences which will enlarge their usefulness in their own families and neighborhoods, or in other professional service to the public. This must include also the part that they have in the important matter of diffusing among the people a more intelligent idea of mental disorders and of the value of timely measures for their prevention.

Many of the nurses trained in this school have been quite fully employed in general nursing without having had any further training in a general hospital. To qualify a nurse for this is the fundamental principle in the training of nurses for asylum service; it is the introduction of this principle that has changed failure to success in the attempts to improve the nursing of the insane. A sufficient training in the principles and practice of general nursing can be given in these schools to make the nurses apt and teachable in the care of acute medical and surgical cases, while their experience with our patients, who are all of the private class, makes them acceptable, especially in cases with any nervous and mental complications.

The value of the new nursing in American asylum work does not need to be advocated to those who have adopted the proper system of training. If proof were now needed of the effectiveness of this new movement in the care of the insane, such evidence is amply given in a paper recently published in the *American Journal of Insanity*, by Dr. Burr,

of the Eastern Michigan Asylum. Ten years ago only two training schools were organized in America, and six nurses, in a small class graduated at the beginning of 1886, were the first from any established asylum school. There were eight such schools opened prior to 1889; but in the three succeeding years there were eleven more, making a total of nineteen schools, and five others were giving instruction to nurses. The total number of graduates of all these schools, up to 1892, was six hundred and fifty-two, and three hundred and thirteen of these were then remaining in the service of the institutions This is the product, in numbers, of the less than ten years following the initiation of the movement, and later data might be added to show its rapid extension. The larger influence that all this is having is like the sowing of good seed; the harvest is immediate, but the greatness of that which is to come is inestimable, and the thought of it should inspire all who have joined in the work with renewed zeal in its advancement. The importance of adopting systematic and uniform methods of training throughout the country is obvious, in order to establish and maintain a high standard of efficiency that will ensure the greatest usefulness.

Some improvements have been made in this school during the past year in two special particulars. A resident instructor in gymnastics has been appointed, Miss Alice M. Hurlbutt, who is a graduate of the training school and now a member of the Boston Normal School of Gymnastics. The purpose is to improve the advantages of this department to the nurses, and to qualify them for the better work that will be made possible for the benefit of the patients. For a like purpose a change has been made in the instruction in cooking. Miss Bessie E. Hazen, a graduate of the Boston Normal School of Cookery, has been appointed a resident instructor here in this department. The new arrangement gives daily instruction, during every forenoon for a month, to a class of three women nurses, who work with the teacher in the school kitchen. Every nurse will hereafter receive this amount of instruction. The men nurses will have a course of ten lessons. This work will be done in the junior year, so that the senior nurses will be more useful in it to the hospital, as well as being given better opportunities to improve themselves by experience.

It is felt to be always in order here to express appreciation of the great helpfulness of the Boston Training School at the Massachusetts General Hospital to this good cause of improving the nursing of the insane. The additional year of training in general nursing that our graduates may have there is invaluable to those who aim to become teachers; and those who have had the privilege of enlarging their qualifications in this way are proving the wisdom and value of what is so considerately done for them in the General Hospital School, and its officers have our sincerest thanks.

In the following pages are given the circular of information to applicants, and the course of instruction.

EDWARD COWLES,
Medical Superintendent.

McLEAN HOSPITAL TRAINING SCHOOL FOR NURSES.

The Trustees of the Massachusetts General Hospital, having established at the McLean Hospital a school for nurses, offer to give to men and women desirous of becoming professional nurses a two years' course of training in general nursing, with special reference to the care of cases of nervous and mental disease.

Those wishing to receive such a course of instruction must apply to the Superintendent of the McLean Hospital, Somerville, Mass.

The most desirable age for candidates is from twenty one to thirty-five years. *They must be in sound health, and must send with their application a certificate from a physician certifying to the fact; also, one from some responsible person as to their good character and good health.* Upon the recommendation of the Superintendent of the hospital and the approval of the Trustees, they will be received for two months on probation, at the expiration of which time they will, if accepted, sign an agreement to complete the prescribed course of two years.

The Superintendent of Nurses has charge of the Training School, under the authority of the Superintendent of the hospital and of the Board of Trustees; and the nurses are subject to the rules of the Hospital. Their fitness for the work and the propriety of retaining or dismissing them at the end of the two months of trial are determined by the authorities in charge of the school, under the direction of the Trustees; and the same authorities can in like manner discharge them at any time in case of misconduct or inefficiency. They reside in the hospital, and serve as assistant nurses in its wards.

All nurses are required to be intelligent, trustworthy, kind, and cheerful.

The instruction includes the general care of the sick; the managing of helpless patients in bed; in moving, changing bed and body linen, making of beds, etc.; giving baths, keeping patients warm or cool, preventing and dressing bed sores; bandaging, applying of fomentations, poultices, and minor dressings; the preparing and serving of food, the

feeding of helpless patients and those who refuse food ; the administering of enemas and use of the catheter ; attendance upon patients requiring diversion and companionship; the observation of mental symptoms, delusions, hallucinations, delirium, stupor, etc., and the care of excited, violent, and suicidal patients.

They are also given instruction in the best practical methods of supplying fresh air, warming and ventilating sickrooms in a proper manner, and are taught to take proper care of rooms and wards ; in keeping all utensils perfectly clean and disinfected, etc. ; to observe the sick accurately in regard to the state of the secretions, pulse, breathing, skin, temperature, sleep, appetite, effect of diet, of stimulants, and medicine ; the giving of massage, and the managing of convalescents.

Instructions will also be given in the modern methods of physical training, by the use of free movements and the usual apparatus, in a gymnasium provided for the patients. The nurses are taught the medical application of physical exercise. Each nurse is required to have a gymnasium costume ; the material for the dress will be furnished, at moderate cost, by the hospital.

The instruction is given by the Superintendent of the Training School, and by the Supervisors and Head Nurses. Lectures and demonstrations will be given at stated periods by the Hospital Medical Staff. Examinations, chiefly upon practical points, take place from time to time.

The pupils are employed as assistant nurses in the wards of the hospital. Women will be paid twelve dollars ($12) per month during the first year, and fifteen dollars ($15) per month during the second year, for their clothing and personal expenses. Their education during this time is considered as compensation for their services. Men will be paid twenty-three dollars ($23) per month during the first year, and twenty-five ($25) per month during the second year. These are the former rates not yet reduced to the training-school system. Women graduates will be paid twenty-five dollars ($25) per month during the first year, and thirty dollars ($30) per month thereafter. Those who have had an additional year of training at the General Hospital are paid thirty-five dollars ($35) per month on returning to the service of the McLean Hospital. Men graduates will be paid twenty-

seven dollars ($27) and thirty dollars ($30) per month, according to length of service.

The men and women are required to wear at all times, while on duty in the wards, the hospital uniform.

When the full term of two years is completed, the nurses thus trained receive (after final examinations) diplomas certifying to their period of training, their proficiency, and good character.

The right is reserved to terminate the connection of any nurse or pupil with the school, for any reason which may be deemed sufficient.

A female graduate of this school, who wishes to have additional practical experience and instruction in general nursing, has the privilege, under certain restrictions, of entering the Boston Training School for Nurses at the Massachusetts General Hospital. Such graduates will, after one year's satisfactory study, receive the diploma from that School, in addition to the diploma received from the McLean Hospital Training School.

N. B. This paper to be filled in (in the Candidate's own handwriting), and sent, with recommendations and physician's certificate, to the Superintendent of the McLean Hospital, Somerville, Mass.

QUESTIONS TO BE ANSWERED BY CANDIDATE.

1. Name in full of Candidate
2. Are you single, married, widow, or widower?
3. Your present or last occupation or employment?
4. Age last birthday, and date and place of birth?
5. Height? Weight?
6. In what school or schools educated, and in what place?
7. Are you strong and healthy, and have you always been so?
8. Are your sight and hearing perfect?
9. Have you any physical defects?
10. Have you any tendency to pulmonary complaint?
11. If a widow or widower, have you children? How many? Their ages?
 How are they provided for?
12. Are you otherwise free from domestic responsibility, so that you are not liable to be called away?
13. Where (if any) was your last situation, and how long were you in it?
14. Have you ever been in any training school or employed in any hospital or asylum? If so, where, and how long in each place?
15. The names in full and addresses of two persons, not of your own kindred, to be referred to. State how long each has known you. If previously employed, one of these must be the last employer.
 Name
 Address
 has known me years.
 Name
 Address
 has known me years.

Having read, and clearly understanding and agreeing to the foregoing conditions and regulations, I declare the above statement to be correct.

Signed
Candidate.

Present Address

Nearest Telegraph Office

Date 189

COURSE OF INSTRUCTION.

JUNIOR YEAR.

A Manual for Hospital Nurses *Domville.*
Physiology and Hygiene (to the Nervous System) . *Hutchison.*
Notes on Fever Nursing *Allan.*
A Text-book of Nursing *Weeks.*
What To Do First in Emergencies *Dulles.*
Accidental Injuries *Cantlie.*
Practical Instruction in Massage (twelve lessons).
Physical Training (thirty lessons).
Practical Instruction in Cooking, each morning for one month (women).
Instruction in the Wards by the Supervisor and Superintendent of Nurses.
A Lecture each week, by the First Assistant Physician.

SENIOR YEAR.

Physiology and Hygiene (completed) *Hutchison.*
A Text-book of Nursing (completed) *Weeks.*
A Short Manual for Monthly Nurses *Cullingworth.*
Notes on Surgery for Nurses *Bell.*
Hand-book for Hospitals (selections),
State Charities Aid Association, N. Y.
How to Care for the Insane *Granger.*
Hand-book for the Instruction of Attendants on the Insane.
Sub-Com. British Med.-Psych. Association.
Practical Instruction in Cooking (ten lessons, men).
Physical Training (thirty lessons).
Instruction in the Wards by the Supervisor and Superintendent of Nurses.
A Lecture each week, by the Superintendent.

ORDER OF EXERCISES, 1893-94.

WOMEN.

Monday.

9.00 A. M.	Junior Class, in divisions of three for one month each (every morning in the week) Instruction in Cooking . .	MISS HAZEN.
11.00 A. M.	Junior Class (1st Div.), Recitation	MISS CLELAND.

4.15 P. M.	Senior Class (1st Div.), Recitation	Miss Woodward.
7.00 P. M.	Junior Class (2d Div.), Recitation	Miss Cleland.
8.00 P. M.	Junior Class (1st Div.), Massage,	Miss Woodward.

Tuesday.

11.00 A. M.	Senior Class (2d Div.), Recitation	Miss Woodward.
4.00 P. M.	Senior Class Lecture	Dr. Cowles.

Wednesday.

2.00 P. M.	Senior Class, Instruction in Cooking.	Miss Hazen.

Thursday.

11.00 A. M.	Head Nurses, Review, etc. . .	Miss Woodward.
4.00 P. M.	Junior Class, Lecture	Dr. Tuttle.
7.00 P. M.	Junior Class (1st Div.), Instruction in Physical Training	
8.00 P. M.	Junior Class (2d Div.), Instruction in Physical Training .	Miss Hurlbutt.
8.00 P. M.	Junior Class (2d Div.), Massage,	Miss Woodward.

Friday.

4.15 P. M.	Senior Class, Instruction in Physical Training	Miss Jacobs.

Saturday.

4.15 P. M.	Junior Class (in divisions of six on alternate weeks), Care of Sick Patients in Bed, Poulticing, etc.	Miss Cleland. Miss Parker.

MEN.

Monday.

1.30 P. M.	Senior or Junior Class (in Divisions of eight), Instruction in Cooking . .	Miss Hazen.
4.00 P. M.	Junior Class, Recitation . . .	Dr. Fuller.
7.00 P. M.	Senior Class, Instruction in Physical Training . . .	Mr. Skarstrom

Tuesday.

11.00 A. M.	Senior or Junior Class (in Divisions of six), Massage . .	Mr. Webber.

4.00 P. M.	Senior Class, Lecture	Dr. Cowles.

Wednesday.

4.00 P. M.	Junior Class, Lecture	Dr. Tuttle.

Thursday.

11.00 A. M.	Junior Class (in Divisions of six), Bandaging	Dr. Fuller.
4.00 P. M.	Junior Class, Instruction in Physical Training	Mr. Skarstrom.

Friday.

11.00 A. M.	Junior Class (1st and 2d Divisions, on alternate weeks, from Feb. 9th), Care of Sick Patients in Bed, Poulticing, etc. . .	Mr. Webber.
4.00 P. M.	Senior Class, Recitation . . .	Dr. Fuller.

OFFICERS OF THE INSTITUTION.

1894.

President.

CHARLES H. DALTON.

Vice-President.

JOHN LOWELL.

Treasurer.

FRANKLIN HAVEN, 28 STATE STREET.

Secretary.

THOMAS B. HALL, 75 STATE STREET.

Trustees.

SAMUEL ELIOT, *Chairman.* 44 Brimmer Street.
* CHARLES V. BEMIS, Medford, Mass.
* WILLIAM S. BIGELOW, 60 Beacon Street.
ARTHUR A. CAREY, 29 Fairfield Street.
EDMUND DWIGHT, 50 State Street.
WILLIAM ENDICOTT, JR., 32 Beacon Street.
* DAVID P. KIMBALL, 35 Congress Street.
THORNTON K. LOTHROP, 27 Commonwealth Avenue.
* THOMAS E. PROCTOR, 127 South Street.
NATHANIEL THAYER, 50 State Street.
HENRY P. WALCOTT, 13 Beacon Street.
ROGER WOLCOTT, 945 Exchange Building.

Board of Consultation.

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FRANCIS MINOT, M. D.
MORRILL WYMAN, M. D.
GEORGE G. TARBELL, M. D.
RICHARD M. HODGES, M. D.
SAMUEL L. ABBOT, M. D.
FREDERICK I. KNIGHT, M. D.

STANDING COMMITTEES OF THE TRUSTEES.

Admitting McLean Hospital Patients.

MESSRS. DWIGHT and BEMIS.

Finance.

MESSRS. ENDICOTT and KIMBALL.

* Appointed by the Governor of the Commonwealth.

Accounts and Expenditures.

MESSRS. WOLCOTT, THAYER, and LOTHROP.

Buildings and Repairs.

MESSRS. DWIGHT, ELIOT, and BIGELOW.

Free Beds.

MESSRS. PROCTOR and CAREY.

The General Library and Warren Fund.

MESSRS. ELIOT and BEMIS.

Book of Donations.

DR. BEMIS.

Nominations.

MESSRS. ELIOT, WOLCOTT, LOTHROP, and THAYER.

New McLean Hospital.

MESSRS. DALTON, DWIGHT, ELIOT, ENDICOTT, WALCOTT, and BIGELOW.

VISITING COMMITTEES.

January and July.

MESSRS. WOLCOTT and KIMBALL.

February and August.

MESSRS. ENDICOTT and LOTHROP.

March and September.

MESSRS. DWIGHT and WALCOTT.

April and October.

MESSRS. ELIOT and THAYER.

May and November.

MESSRS. CAREY and BIGELOW.

June and December.

MESSRS. BEMIS and PROCTOR.

LADIES' VISITING COMMITTEE.

January and February.

MRS. F. L. AMES. MRS. J. ARTHUR BEEBE. MISS IDA G. BEAL.

March and April.

Mrs. N. Thayer. Mrs. Eugene V. R. Thayer.

May.

Mrs. J. C. Gray. Mrs. T. E. Proctor. Miss Jeanie L. Motley.

June.

Miss Jeanie L. Motley. Mrs. E. F. Bowditch.

July.

Miss Ellen O. Proctor.

October.

Mrs. E. F. Bowditch.

November.

Miss Anne W. Morrill. Mrs. H. W. Haynes.

December.

Miss Ellen O. Proctor.

General.

Mrs. Elizabeth O. Tappan.
Mrs. A. L. Hopkins.
Miss Barnard.
Mrs. Edward Ver Plank.
Mrs. W. C. Otis.

OFFICERS OF THE HOSPITAL.

Resident Physician.

John W. Pratt, M. D.

Visiting Physicians.

Wm. L. Richardson, M. D.
Edward N. Whittier, M. D.
Elbridge G. Cutler, M. D.
Frederick C. Shattuck, M. D.
Reginald H. Fitz, M. D.
William W. Gannett, M. D.

Visiting Surgeons.

Charles B. Porter, M. D.
John Collins Warren, M. D.
Henry H. A. Beach, M. D.
John Homans, M. D.
Arthur T. Cabot, M. D.
Maurice H. Richardson, M. D.

Physicians to Out-Patients.

Herman F. Vickory, M. D.
Harold C. Ernst, M. D.
George M. Garland, M. D.
James T. Minot, M. D.
Charles W. Townsend, M. D.
Arthur K. Stone, M. D.

Surgeons to Out-Patients.

John W. Elliot, M. D.
Frank B. Harrington, M. D.
William M. Conant, M. D.
Samuel J. Mixter, M. D.
Otis K. Newell, M. D.
Charles L. Scudder, M. D.

Physician to Out-Patients with Diseases of the Skin.

JAMES C. WHITE, M. D.

Physicians to Out-Patients with Diseases of the Nervous System.

JAMES J. PUTMAN, M. D. GEORGE L. WALTON, M. D.

Physicians to Out-Patients with Diseases of the Throat.

ALGERNON COOLIDGE, JR., M. D. J. PAYSON CLARK, M. D.

Ophthalmic Surgeon to Out-Patients.

OLIVER F. WADSWORTH, M. D.

Aural Surgeon.

J. ORNE GREEN, M. D.

Pathologist.

WILLIAM F. WHITNEY, M. D.

Chemist.

EDWARD S. WOOD, M. D.

Examining Pysician to Out-Patients.

JOHN H. MCCOLLOM, M. D.

MEDICAL AND SURGICAL ASSISTANTS.

Assistants for Diseases of the Nervous System.

HENRY C. BALDWIN, M. D. WALTER E. PAUL, M. D.
EDWARD W. TAYLOR, M. D

Assistant Ophthalmic Surgeons.

FREDERICK E. CHENEY, M. D. ARTHUR F. AMADON, M. D.

Assistant for Diseases of the Throat.

FREDERICK C. COBB, M. D.

Assistant for Diseases of the Skin.

JOHN T. BOWEN, M. D.

Medical House Pupils, 1893–94.

RICHARD C. CABOT. E. A. BURNHAM.

Surgical House Pupils, 1893–94.

EDWARD H. KIDDER.
ALFRED A. WHEELER.
FRED J. COTTON.
FRANK LYMAN.
ABEL A. DAVIS.
JAMES S. STONE.
HOBART E. WARREN.

Matron.

G. L. STURTEVANT.

Superintendent of Nurses.

MARIA B. BROWN.

Apothecary.

CHARLES H. SAMPSON, PH. G.

OFFICERS OF THE McLEAN HOSPITAL.

Medical Superintendent.
EDWARD COWLES, M. D.

1st Assistant Physician.
GEORGE T. TUTTLE, M. D.

2d Assistant Physician.
DANIEL H. FULLER, M. D.

3d Assistant Physician.
EDWARD S. ABBOT, M. D.

Pathologist and Assistant Physician.
AUGUST HOCH, M. D.

Chaplain.
REV. GEORGE J. PRESCOTT.

House Pupils.
FREDERICK W. PEARL.
CLEON M. HIBBARD.
HENRY P. LOVEWELL.

Superintendent of Nurses and Matron.
LUCIA E. WOODWARD.

Instructor in Physical Training.
ALICE M. HURLBUTT.

Instructor in Cooking.
BESSIE E. HAZEN.

Supervisor of Women's Department.
REBECCA H. CLELAND.

Supervisor of Men's Department.
CHARLES E. WEBBER.

Apothecary.
FRANK W. ADAMS.

Purveyor.
JOHN P. BRADBURY.

Clerk.
FRANCES E. GILBERT.

Chief Engineer of New Construction.
WILLIAM B. FULLER.

EIGHTIETH ANNUAL REPORT

OF THE

TRUSTEES

OF THE

MASSACHUSETTS GENERAL HOSPITAL

AND

McLEAN HOSPITAL

1893

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